

THE
ARCHITECT
& BUILDING NEWS

7 OCTOBER 1959

VOL. 216

NO. 9

ONE SHILLING WEEKLY

SWITZERLAND ON VIEW

PUBLISHED IN LONDON SINCE 1854

Improved 'BRITON'

Door Closer MK III

The Inside Story The "Briton" Door Closer is well known.

For years it has been the best in the World. Now, with the introduction of new features it is even better. Better because:

Rubber "O" rings are used

These are housed in a groove which creates an air chamber. This breaks capillary attraction and prevents oil from creeping up the spindle.

Check regulator recessed

This improves the appearance of the Closer, and removes all possibility of damage either before or after it is fitted to the door.

Bearing lengthened

This improves the stability and alignment of the spindle, and provides a seating for a new method of oil sealing.

Adjustable arm covered

This covering conceals the screw thread on the arm and improves the appearance of the Closer.

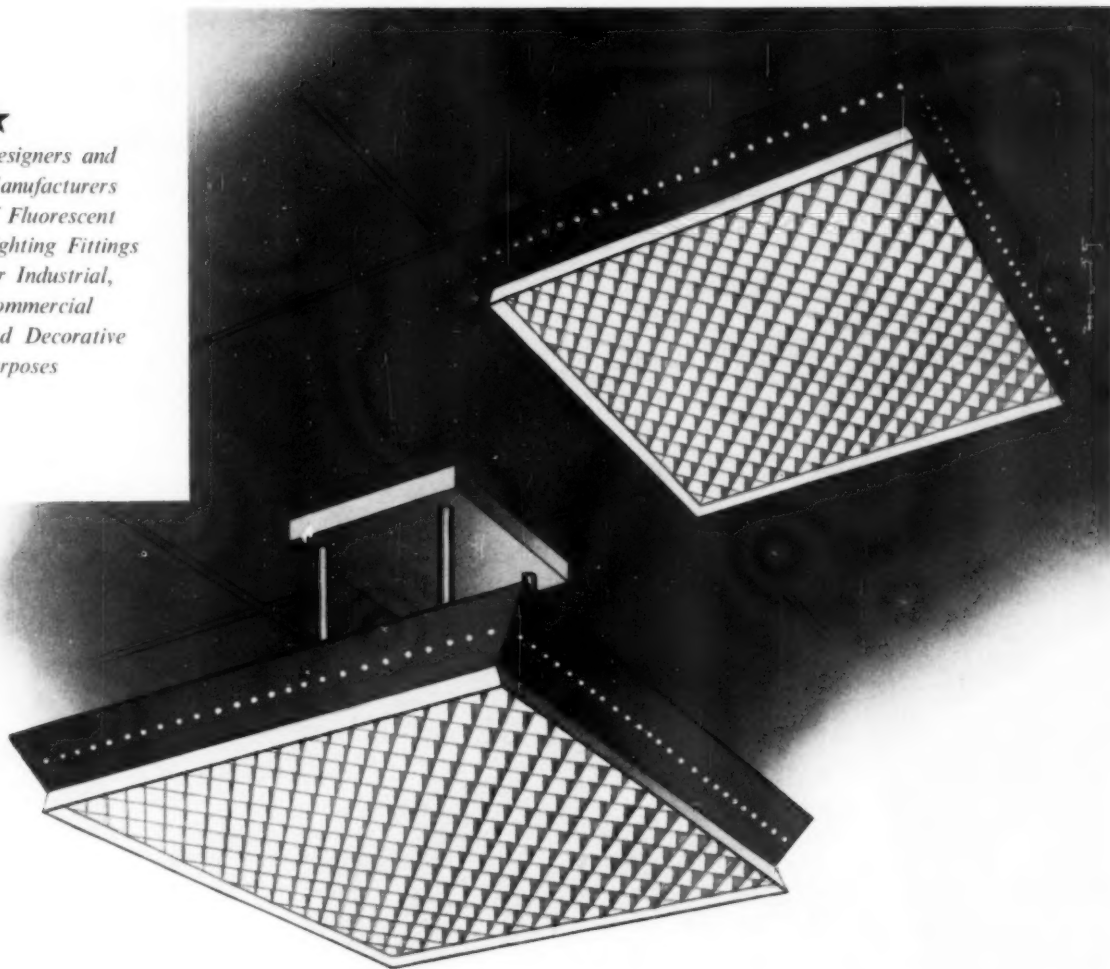
'BRITON'

DOOR CLOSER

The prevention of draughts and banging doors is in your hands. Specify "Briton" and you eliminate both. It fits right and left hand doors without alteration, and the spring can be regulated to six different strengths by finger tip control. Doors are closed both smoothly and silently. When a "Briton" Door Closer is fitted it can be relied on. It is guaranteed for *ten years*!



*Designers and
Manufacturers
of Fluorescent
Lighting Fittings
for Industrial,
Commercial
and Decorative
purposes*



The ARGYLL FITTING

An attractive contemporary fitting made in two styles either semi-recessed for use in suspended ceilings, or alternatively as a pendant fitting.

The metal work can be supplied finished either bronze and white or cherry red and cream. The fitting has a white diagonal plastic louvre. The fitting is wired with 4 x 2ft. 40w. quick start control gears.



*May we have the pleasure
of sending you the Horsell
Catalogue showing the full
range of designs with details
and prices.*

HORSELL

(HORSELL ELECTRICS LTD.)

LIGHTING FITTINGS

1a 3a & 5a CHARLWOOD STREET WESTMINSTER S.W.1. VICTORIA 2563-6519-1784

CANADIAN TIMBER

...from Canada's vast forests
a wood for almost every need!



CANADIAN DOUGLAS FIR

Special Properties

- Superior strength
- Quite resistant to decay
- Obtainable in large dimensions
- High working stress values
- Low natural moisture content

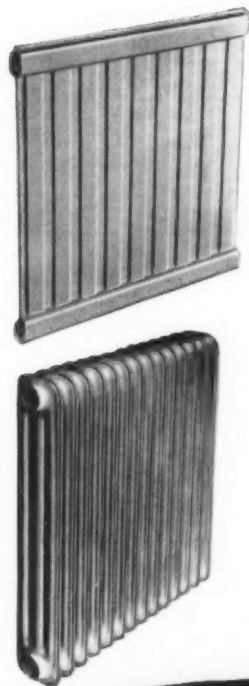
Typical Uses

- Glue-lam fabrication
- Heavy and general construction
- Engineering designed trusses
- Sea defences, dock and harbour work
- Heavy duty case making
- Railway sleepers

For further information on Canadian Woods, contact:
Commercial Counsellor (Timber), Canada House, London, S.W.1.



Y.M.C.A. Building Croydon. Architect: F. Starling. B.A. A.R.I.B.A.



STELRADS...

for the good Samaritan

WARMTH AND COMFORT is the special recipe served up by much appreciated Y.M.C.A. hostels all over the world.

Helping this, the newest branch at Croydon, to cope with the demand is yet another Stelrad installation...

Stelrads, Britain's original, unequalled steel radiators, have a capacity for making friends and being at home in any kind of surroundings, for there is a suitable design and size for every need.

Full details of these fine radiators, together with specifications and illustrations, are contained in the Stelrad brochure. Please post us a card for your copy.

STEEL RADIATORS
LIMITED

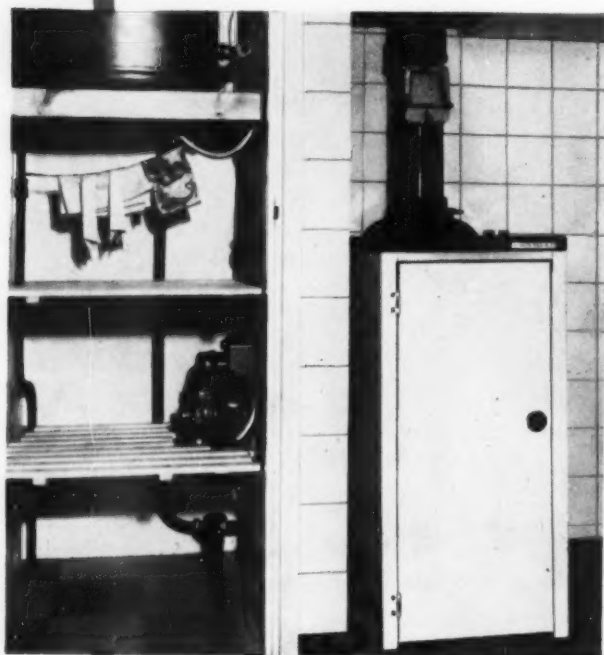
BRIDGE ROAD, SOUTHALL, MIDDLESEX

Telephone: SOUThall 2603

Modernise with

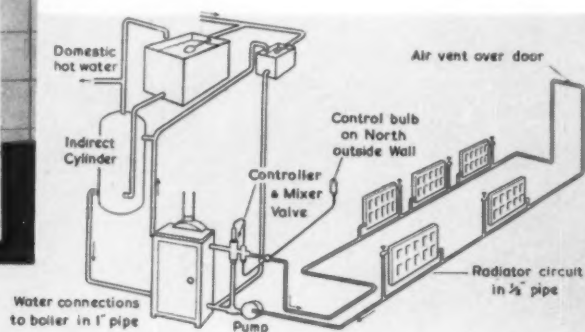
HARD COKE

*for high-efficiency Domestic
Heat Services . . . with ECONOMY*



Above: Boiler, fired with Hard Coke, serving a small bore system. The circulating pump can be seen inside the airing cupboard.
Alongside: Typical small bore system.

The "small-bore" system of central heating, with hot water supply, is much less costly to install than the conventional gravity system, particularly in existing houses. It can also be much cheaper to run, no heat being wasted in the roof space or under floors. Piping of $\frac{1}{2}$ " bore is used, with a circulating pump; this can provide better control of the heating than with gravity circulation. The small-bore system is admirably suited to medium-sized houses (1,000 to 1,500 sq ft) and for flats in converted houses. It makes central heating a practicable proposition for those who might otherwise not be able to afford it.



Hard Coke, because of its economical and slow-burning qualities, is particularly suitable for the wide range of modern continuous-burning appliances now available: hot water and central-heating boilers, solid fuel cookers, heating stoves, convector fires, etc. Outstandingly efficient, fired with Hard Coke, they will provide domestic heat services, *without* smoke, with the minimum of work, and at low running costs.

HARD COKE is the authorised smokeless fuel made by the British Coking Industry. It is made in coke ovens from specially selected coal which is washed and crushed before carbonisation. Users prefer it because it is uniformly sized, consistent in quality and their appliances operate with greater efficiency.

If you would like advice or further information on the use of Hard Coke write or phone:

THE BRITISH COKING INDUSTRY ASSOCIATION, 74 GROSVENOR STREET, LONDON, W.1

Telephone: MAYfair 9736

"INSULIGHT"

*Hollow Glass Blocks have
'U' value of 0.44 B.t.u./ft.²h deg.F.*

The thermal transmittance of "INSULIGHT" Hollow Glass Blocks is 0.44 B.t.u./ft.²h deg. F., which gives heat insulation equivalent to a 9 inch Fletton brick wall. This value was obtained from measurements made on a Glass Block panel under actual exposure conditions on a north wall. (Report No. 569, Reference B.R.S. 36/12/16B.)

In addition to Thermal Insulation, other properties of this versatile building material are :

- Sound Insulation
- Fire Retardance
- Good light transmission with diffusion
- Reduction of glare
- Privacy
- Little maintenance
- Ease of construction

Blocks are available in a range of attractive patterns, sizes and shapes. Further information is readily available from the Technical Sales and Service Department, St. Helens (Telephone: 4001) or Selwyn House, Cleveland Row, St. James's, London, S.W.1. (WHitehall 5672-6).

"INSULIGHT" is a registered trade mark of Pilkington Brothers Limited. Supplies are available through the usual trade channels.



"INSULIGHT"

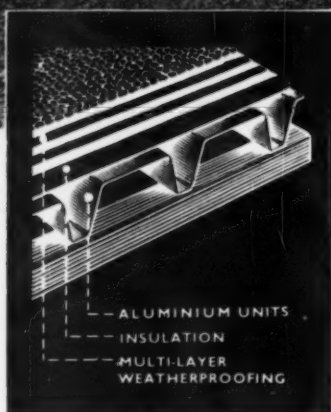
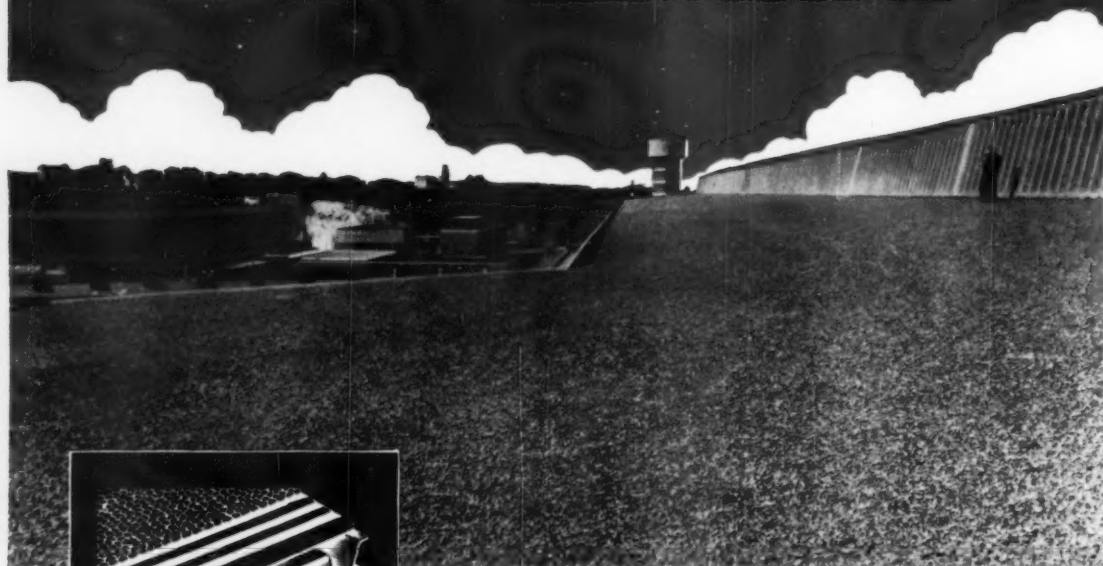
Hollow Glass Blocks

A UNIQUE MULTI-FUNCTIONAL MATERIAL

Pilkington Brothers Limited

ST. HELENS, LANCASHIRE

A new Roof for **BOWATERS...**



No. 5 and 6 Machine House, Bowater-Scott Tissue Mill, Engineering and Research Division Buildings.

ARCHITECTS : Farmer and Dark, London, S.W.1.
MAIN CONTRACTORS : No. 5 and 6 Machine House, Messrs. Higgs and Hill Limited, London, W.8. Bowater-Scott Tissue Mill and Engineering and Research Division Buildings, Messrs. Holland & Hannen and Cubitts Limited, London, S.W.1.

BITUMETAL ALUMINIUM DECK

is their choice...

Why?

- * Because it provides complete weatherproof Protection.
- * Because it is insulated to conserve heat and reduce fuel costs.
- * Because it is proof against Corrosion and needs virtually no maintenance.
- * Because it is dust-proof, draught-proof and free from Condensation.



In harmony with their International reputation for quality, The Bowater Paper Corporation specified "BITUMETAL" for their new mills at Northfleet, Kent. This modern development in Roofing is accepted by Architects throughout the world as a new standard of perfection, and in addition to the obvious advantage mentioned above, it provides roof and ceiling in one unit. A further advantage is that it is speedily erected with economy in Construction. Full technical details can be obtained from any of the undernoted area offices :

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SWINTON, MANCHESTER
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Building & Civil Engineering Contractors



CORROSION?

NOT WITH THIS ROOF

An atmosphere full of moisture and acid-laden soot and smoke . . . that is what causes the rapid deterioration of the roofing and cladding of industrial buildings. How to deal with this menace is a problem to which, until recently, there has been no satisfactory solution.


Now there is an answer — 'Corroplast' corrugated sheets *resist corrosion*. Experience has proved that after many years' exposure in the most severe conditions, 'Corroplast' sheets do not deteriorate.

These strong, rigid, laminated plastic sheets are economical, too. They last longer than any other sheets, need no maintenance, and are free from breakages in transit.

For roofing and cladding where corrosion is worst, always specify . . .

FOR CONTEMPORARY CLADDING TOO

'Corroplast' is also ideal as side-cladding for contemporary buildings, giving a most colourful and attractive appearance. Available in three integral shades, or in a range of stove-enamelled finishes.



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CORRUGATED LAMINATED PLASTIC

Write or phone to:

HOLOPLAST LIMITED SALES OFFICE, DEPT 301, 2 CAXTON STREET LONDON S.W.1 TEL.: ABBEY 4866

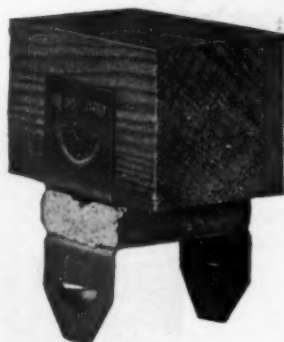


'BULLDOG'

is the registered trade mark of
Britain's finest floor and ceiling clips



2" Regular



2" Acoustic

Only The Adamite Company is entitled to call its clips "Bulldog Clips". Only Adamite Bulldog Clips deserve such a name . . . they have a pedigree beyond dispute and a far stronger 'bite' than inferior imitations. There are two main types: The Bulldog Standard Clip which ensures a strong hold on floor and ceiling battens, preventing movement and squeaking, and the Bulldog Acoustic Clip, which does the same job for floor battens, at the same time reducing impact noise by 15 per cent. Acoustic clips also provide a degree of springiness which makes them ideal for use in gymnasia, ballrooms, etc.

Full details of this range are contained in Bulletin 10. Please write for your copy.

**'BULLDOG' clips are manufactured
solely by**

THE ADAMITE COMPANY LTD



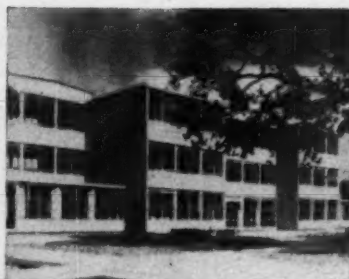
94-98, PETTY FRANCE, LONDON, S.W.1.

Telephone: ABBEY 5911

The New Towns build

APSLEY GRAMMAR SCHOOL

Architects:
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Builders:
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BENNETTS END SECONDARY SCHOOL

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County Architect, Herts. C.C.
Builders:
Leslie & Co. Ltd



WESTERN TERRACE
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Builders:
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POST OFFICE
SUPPLIES DEPOT
Architect:
W. Kendall, A.R.I.B.A. of M.O.W.
Builders:
Humphreys Ltd

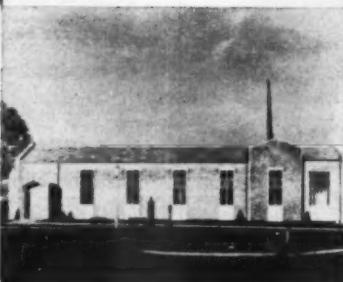
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"THE NEW VENTURE"
PUBLIC HOUSE
Builders:
Wm. King & Sons Ltd

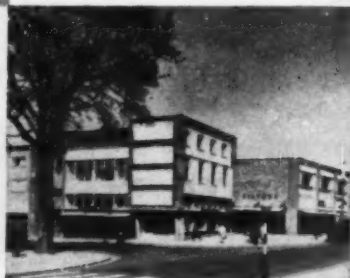


COMMUNITY HALL
ADEYFIELD
Builders:
Brown & Clark Ltd



CHURCH AT WARNERS END
Builders:
Keel & Reay

TOWN CENTRE
Builders:
Leslie & Co. Ltd



TOWN CENTRE
Builders:
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with Crittall Windows

FLATS AT ADEYFIELD
Builders:
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ROTAX FACTORY
Architects:
Clifford Tee & Gale
Builders:
J. Jarvis & Sons Ltd



HOUSING AT GADEBRIDGE
Builders:
Leslie & Co. Ltd

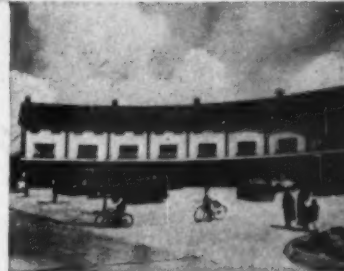


HOUSING AT GADEBRIDGE
Builders:
C. Miskin & Sons Ltd

SHOPPING CENTRE
AT WARNERS END
Builders:
Keel & Reay



SHOPPING CENTRE
AT CHAUDEN
Builders:
C. Miskin & Sons Ltd



Hemel Hempstead New Town

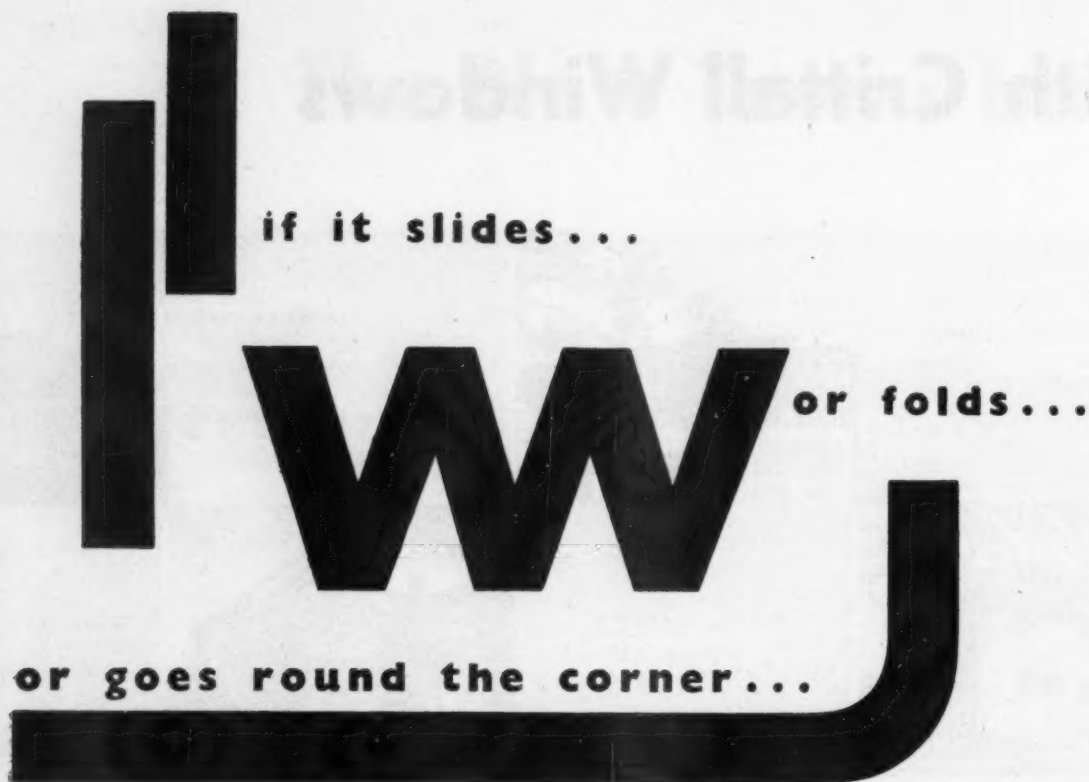
Except where otherwise stated, the buildings were designed by the Hemel Hempstead Development Corporation under the direction of the Chief Architect, H. Kellett Ablett, F.R.I.B.A., M.T.P.I.

CRITTALL



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VDW 107



and it's a door—

call in **KING**

The huge range of KING door gear is backed by a Technical Advisory Service second to none. Whatever the kind of door, whatever the door *problem*, KING's can answer it. If it slides, or folds or goes round the corner, whether it's a domestic door or a power operated giant—call in KING's.

Remember, too, the KING's service is such that a representative will be pleased to call on you any time, *anywhere* in the world.



DOOR GEAR CRAFTSMEN FOR 40 YEARS

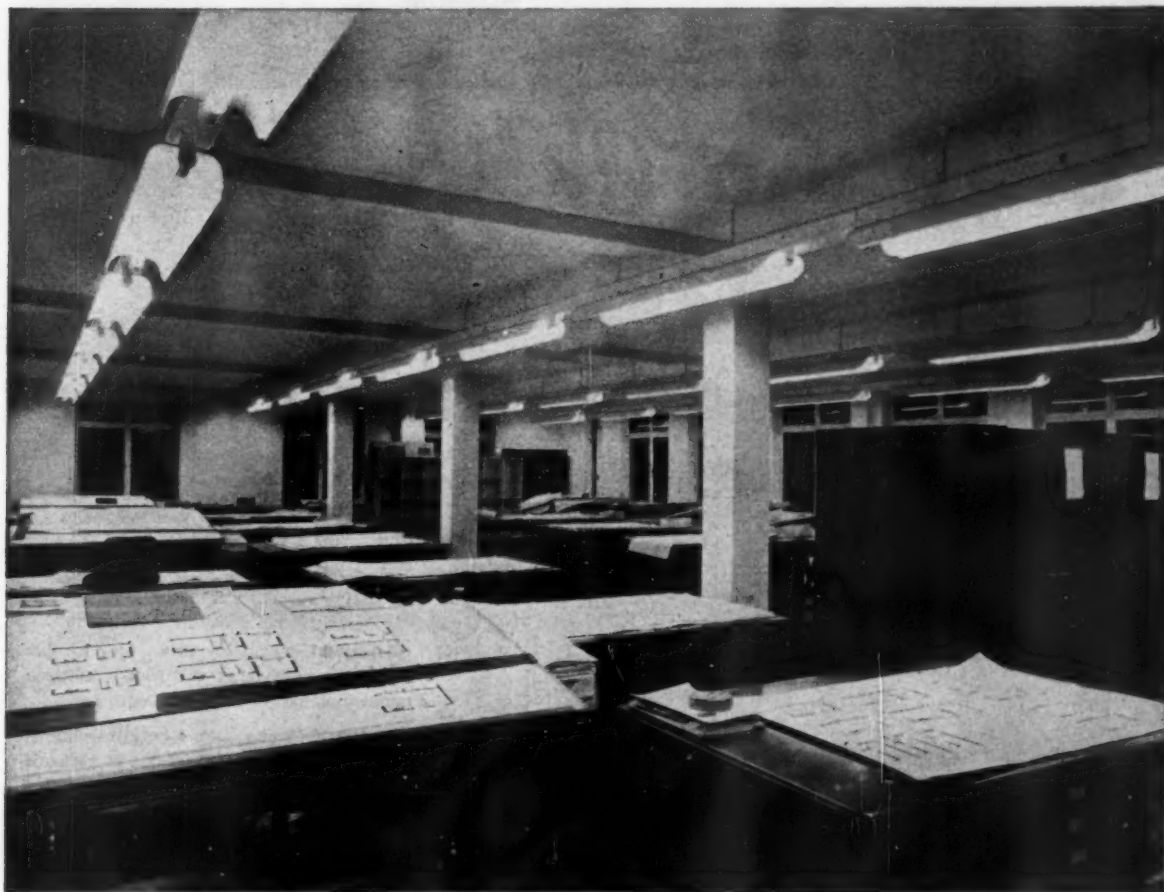
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Telephone: Stevenage 440

PHILIPS

Free Lighting Design Service...



George Wimpey & Co. Ltd.,
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helps to build for the future

The Philips Lighting Design Service offers comprehensive expert advice from a team of experienced lighting engineers and a qualified architect who has made a special study of light in relation to colour — all this, *without charge or obligation*. The service has, since its inception, been responsible for many of the most imaginative lighting schemes devised in recent years. You can avail yourself of it simply by asking your electrical contractor or getting in touch with Philips direct.



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(LD3040)

WRIGHTON**FIRST
AGAIN...**

only the 'Californian'
has **DECPOL**
wonder finish



Wrighton, already setting a new fashion in colourful, contemporary kitchen furniture, are first to introduce Decpol-Polyester, the wonder finish on all front exterior surfaces of their "Californian" range.

Decpol the wonderful new Polyester finish is exclusive to Wrighton.

Decpol is entirely new . . . a kitchen furniture finish that will last a lifetime, and which makes paint old fashioned.

Decpol looks and feels like highly polished coloured glass . . . is scratch-resistant . . . will clean at the wipe of a cloth, and is available in eight gleaming colours. Laboratory tests have shown that contact with smoking hot fat, methylated spirits, boiling water or detergent will not harm DECPOL in any respect.

Here are some luxury features of the "Californian" kitchen:

LAMINATED PLASTIC WORKING SURFACES . . . offered in six attractive colours.

SEASONED TIMBER UNITS . . . trimmed with natural beech.

MAHOGANY DRAWER INTERIORS . . . and all cupboard interiors finished in white enamel.

NATURAL BEECH EDGINGS . . . for top edges of doors and drawers.

STAINLESS STEEL OR VITREOUS ENAMEL SINKS . . . with a choice of single or double drainer units.

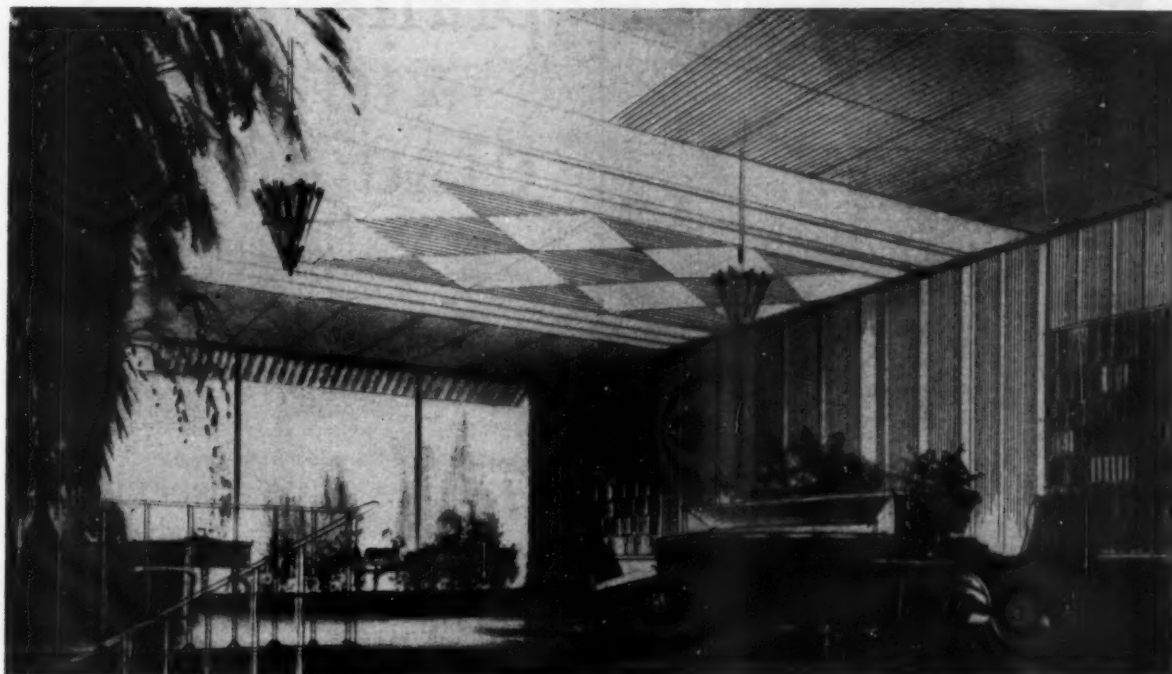
Wrighton Kitchen Furniture will be demanded by all discerning housewives. This tremendous sales opportunity is supported by powerful full colour and black and white advertisements in National Magazines.

London Showroom:- 82 Victoria Street, London, S.W.1., Telephone: VICTORIA 0372

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STAND B35
Building Exhibition
OLYMPIA
NOV. 18 — DEC. 2



Where before there was noise and echo, silence reigns. In planning the modern interior, the lowering of the level of internal noise is an essential part of modern living. To this end, Hermeseal have combined the most satisfactory visual treatment of wall and ceiling surfaces with the maximum absorption of sound. Each problem receives individual treatment by experts in acoustics — each installation adds to the decor of home or office. Write for further particulars.

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FAWDON NEWCASTLE UPON TYNE

choose Ceramic Tiles



Architects: Messrs. Cockett, Burns, Dick & Mackellar

Main Contractors: A Monk & Co., Ltd., Padgate, Warrington

Tiling by: Commercial Marble & Tiles Ltd., Newcastle upon Tyne

The pharmaceutical industry demands the highest standard
of hygiene, so Ceramic Tiles prove the only choice for wall and floor surfaces.
Ceramic Tiles are the best long-term economy.

Visit the Association's display of ceramic tiles at the Building Centre, Store Street, Tottenham Court Road, W.C.1.

British
Ceramic **TILES**

Glazed & Floor Tile Manufacturers' Association • Federation House • Stoke-on-Trent

I buy

BOLTON

DOORS BECAUSE..



- *the name is synonymous with quality.*
- *they are top hung and move freely.*
- *the reinforced leaves are heavily Sherardised.*
- *they have non-ferrous hinging strips.*
- *their efficiency saves me money.*



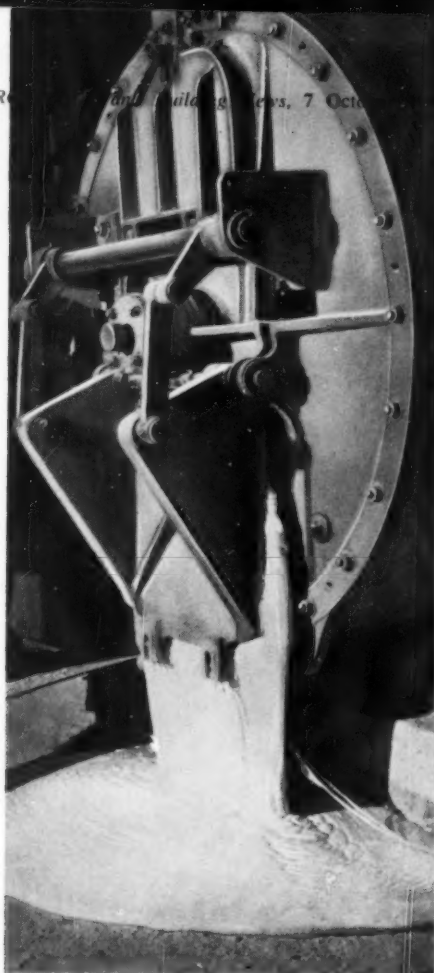
Bolton Patent Shutter Doors are made to any size and electrical operation opens the largest door in seconds. Control systems include photo-cell, floor-pad and push button. The fireproof Bolton Patent Shutter Door, bottom right, gives Grade 'C' fire protection. Full information available under Ref. AB 328.

BOLTON

The BIG name in doors

BOLTON GATE CO. LTD. BOLTON LANCS

Branches at: Belfast, Birmingham, Bristol, Dublin, Liverpool, London, Manchester, Newcastle-on-Tyne.

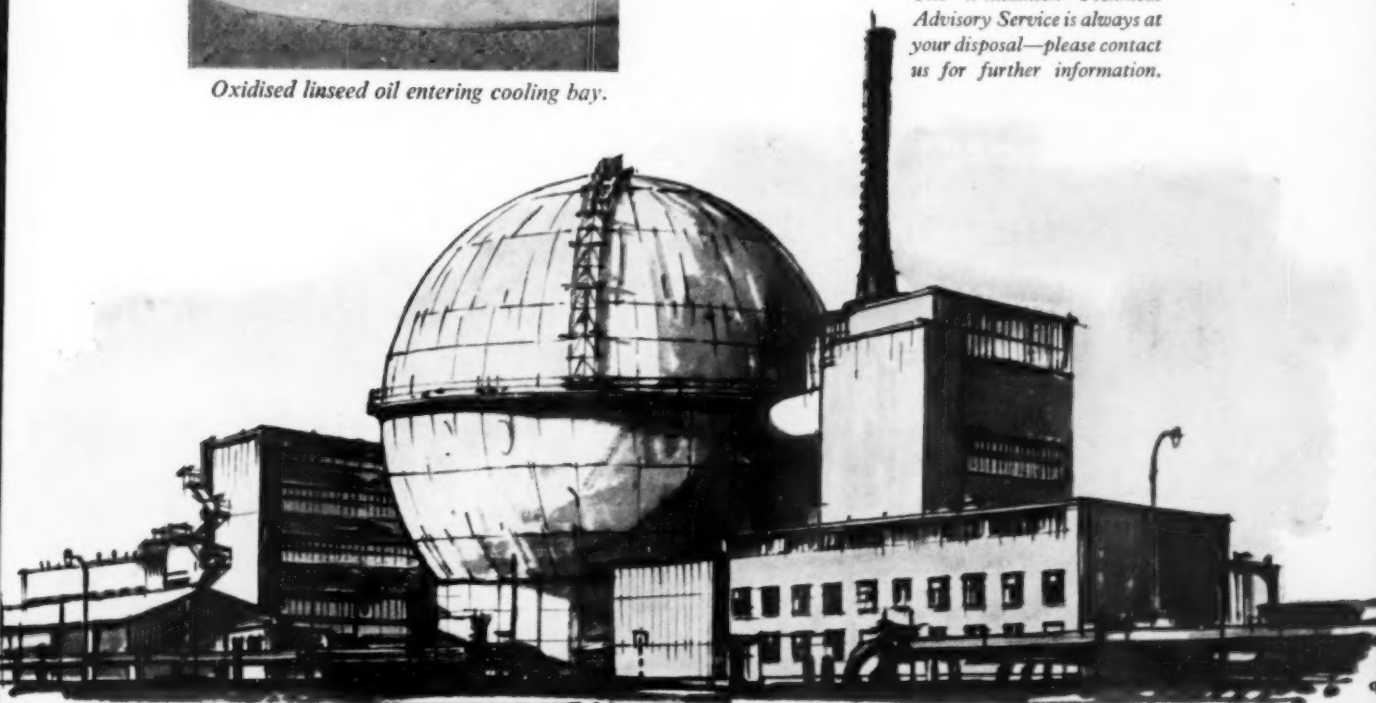


Oxidised linseed oil entering cooling bay.

MODERN LINOLEUM FOR MODERN INSTALLATIONS

Capital cost, laying, life or maintenance, judge how you will—linoleum is unequalled by any other floor covering. In addition, modern colours contemporary patterns and ease of working offer today's designer in linoleum a freedom of colour, form and design to answer every industrial and commercial flooring requirement. Williamson's "know-how" in the techniques of oxidising and polymerising Linseed Oil has made them leaders in the industry . . . and given Williamson's heavy gauge linoleum in 6.7 mm. and 4.5 mm. its outstanding qualities of flexibility, resilience and long life.

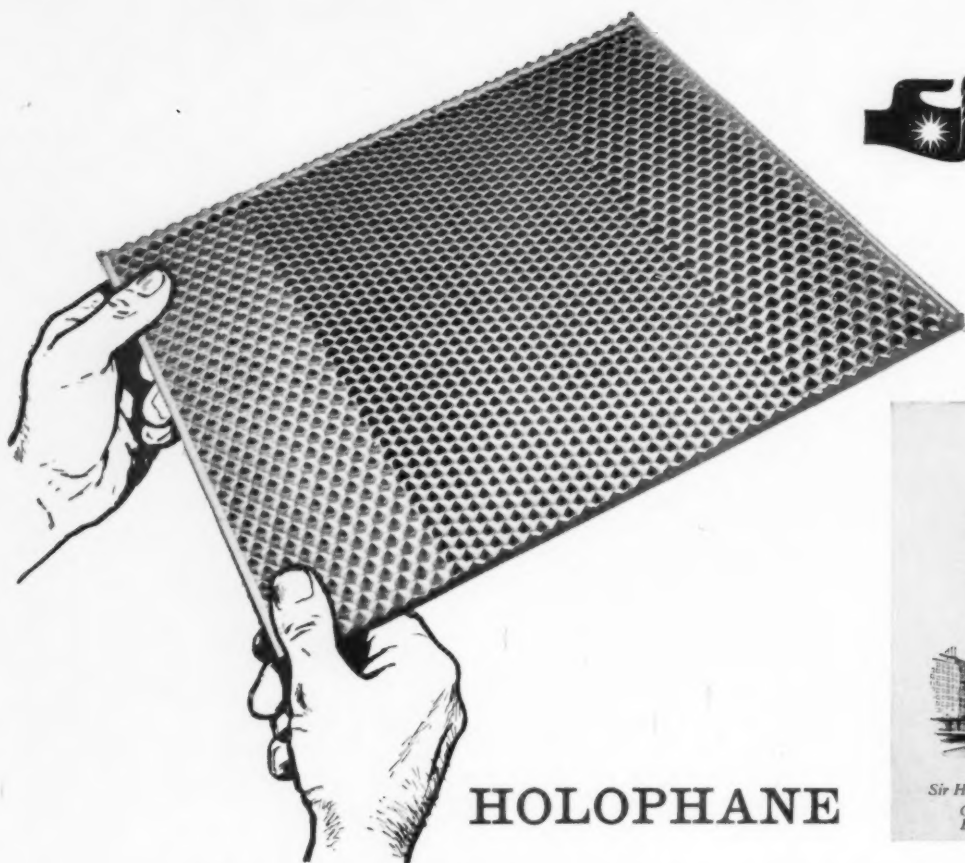
The Williamson Technical Advisory Service is always at your disposal—please contact us for further information.



Williamson Linoleum Floor Treatment fulfils the specifications for the U.K. A.E.A. Station at Dounreay. Contractors: Messrs. Korkoid Limited.

WILLIAMSON LINOLEUM

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ILLUMINATING
ENGINEERING SOCIETY
1906/1968



Architect:
Sir Howard Robertson, A.R.A.
Consulting Engineers:
Ewbank and Partners

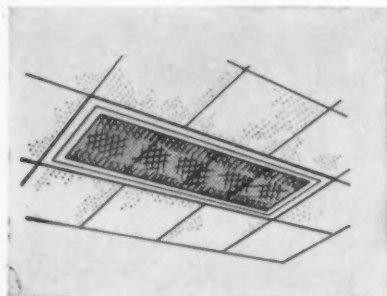
HOLOPHANE

CONICAL PRISM GLASS LENS PLATES

FOR THE NEW SHELL BUILDING

Over 50,000 individual glasses are being supplied for the fluorescent lighting installations in the new Shell project on the South Bank. These plates have been specially designed by Holophane for use in flush mounting *fittings at relatively low mounting heights, to give a brightness control and semi cut-off angles above 50 degrees from the vertical. Once again Holophane has provided a scientific answer to a lighting problem that only long experience can overcome. Ask for latest catalogues on Holophane fluorescent, industrial and commercial lighting systems.

*(Fittings will be supplied by A.E.I., Philips and Courtney Pope).



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Mechankey
PLASTER GRADE



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MECHANKEY PLASTER GRADE for keying Gypsum Plaster direct on to building surfaces without the use of a stipple or backing coat.

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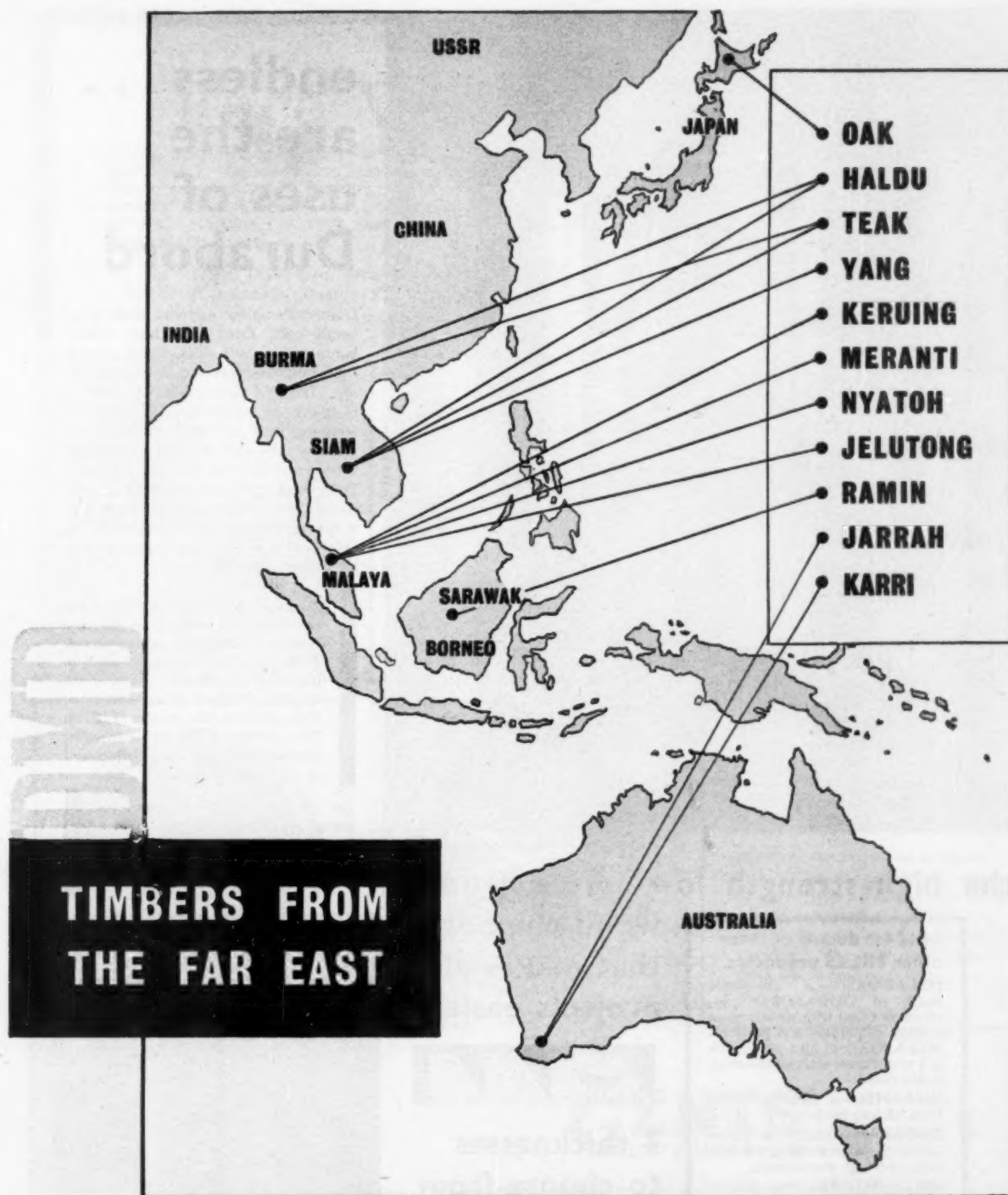
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CNC 128C



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Photographs by courtesy of the National Coal Board

endless . . . are the uses of Durabord

Durabord's unique extruded wood chip-board core, faced with high density hardboard on both sides, forms a tough rigid 'sandwich' that is ideal for partitioning. Durabord requires very little support, is as easy to handle as wood and holds screws up to 50 per cent more firmly than ordinary softwoods. Its ready-to-decorate surface and low cost makes Durabord a really economical material for a wide variety of building purposes. Now, too, a special water repellent integral in the chipboard core ensures a high degree of atmospheric stability.

Durabord cuts building time and erection costs throughout the new National Coal Board headquarters at Whitburn, County Durham. Here, in course of construction, is one of the lengthy corridors giving access on both sides to a large number of offices. The corridor walls and inter-office partitions are constructed of Durabord in the 1½ in. thickness.

The office side of the corridor partitions, showing a mounting which is to carry heavy-duty radiators—supported solely by the strong, rigid Durabord panels.

the high-strength low-cost extruded

Send for details of these other HILLS products :

MELABORD—a composite board of DURABORD construction faced with melamine in a range of colours and patterns. MELABORD is also obtainable in ½ in thickness without the chip-board core.

DURAMEL—a melamine-faced West African hardwood plywood.

DURALAM—flexible melamine laminate—takes gentle curves with ease, needs no pre-forming.

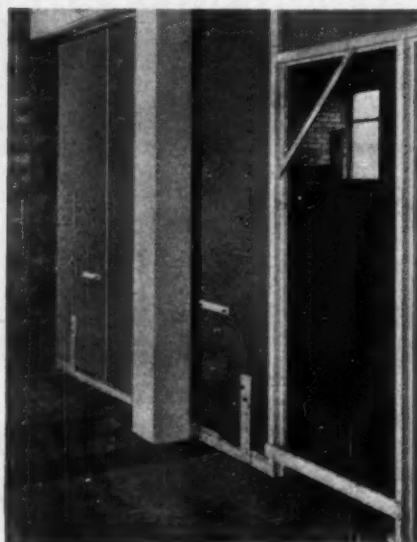
HILLS DOORS—West African hardwood flush doors of the highest quality, guaranteed against defects of materials or workmanship.

wood chipboard
that makes all
projects easier



3 thicknesses
to choose from

including the popular ½ in. Durabord; ½ in., ¾ in., 1½ in., in panels, 8 ft by 4 ft ready to use.



P 3645

Hills

Durabord
WOOD CHIPBOARD

Send for technical data to

F. HILLS & SONS LTD • NORTON ROAD • STOCKTON-ON-TEES • Telephone : 67141

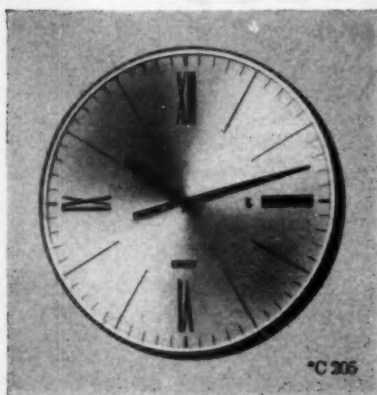
Face Value!

These models have been specially designed by a leading Industrial Designer for use in modern surroundings. They are available in a range of sizes to suit most normal requirements. If required clocks can be made to special designs to suit particular circumstances or decorative schemes.

All the clocks illustrated here have been accepted by the Council of Industrial Design for inclusion in Design Index.



*C 433



*C 206



C 206



*C 204



C 205 N



C 206 N

The model numbers given refer to Mains operated clocks but the same designs are available for operation on our Controlled Electric "Master" Clock System.

Details of our full range of clocks for Mains operation are given in our catalogue book 5 section 7 and for our Controlled Electric "Master" Clock System, in our catalogue book 5 section 1. The appropriate catalogue will be sent to you on request.



*C 201 B

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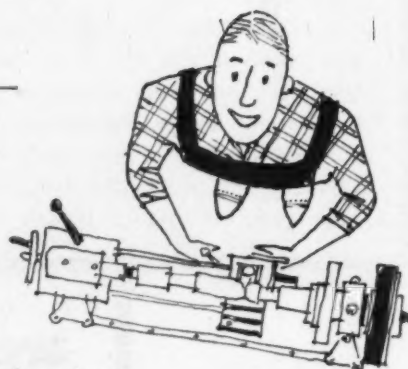
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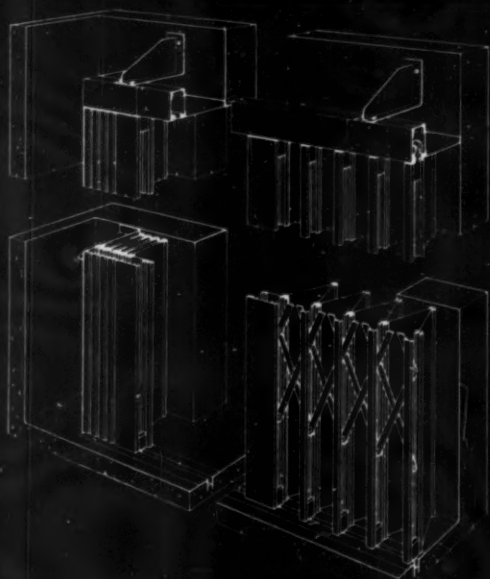


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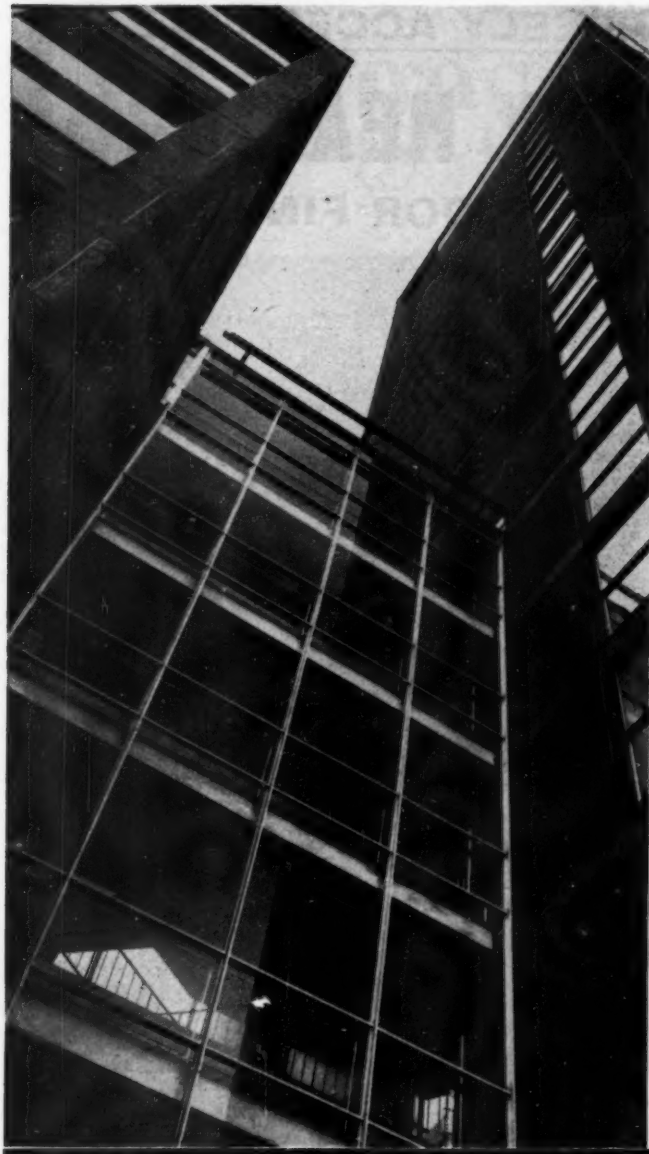


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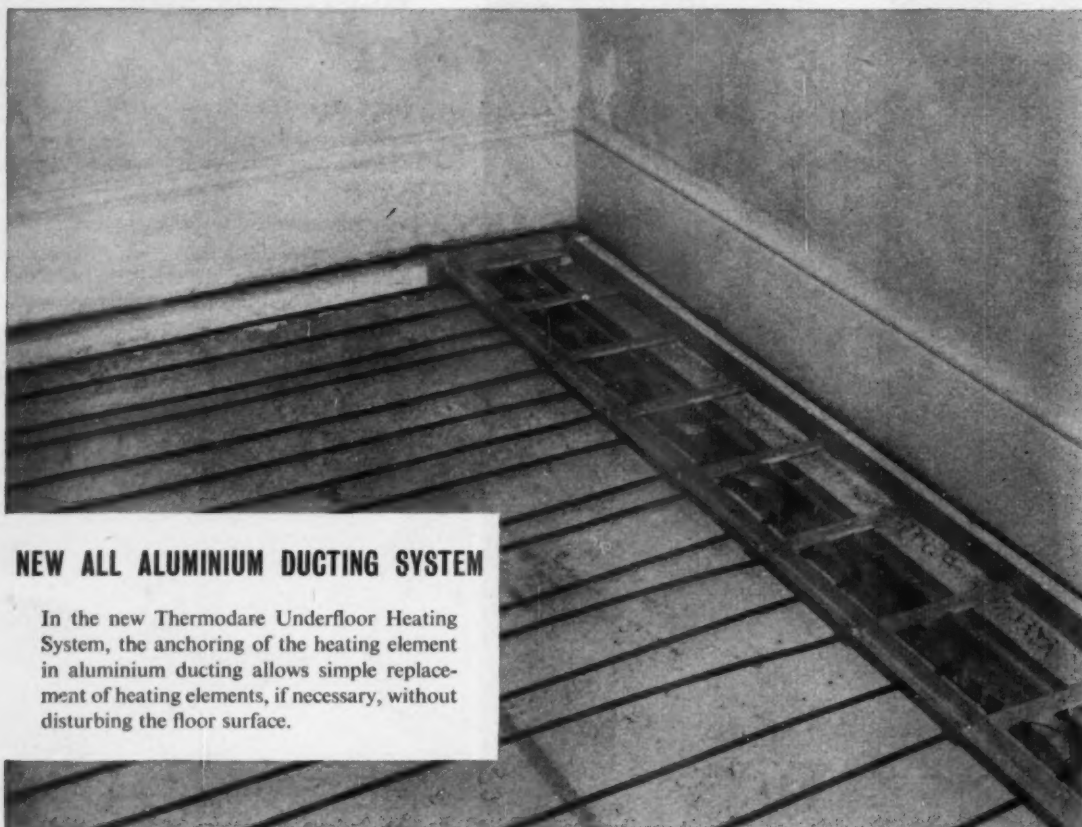
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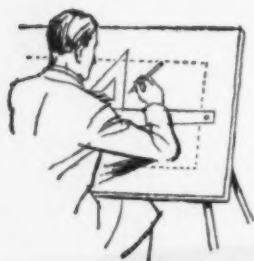
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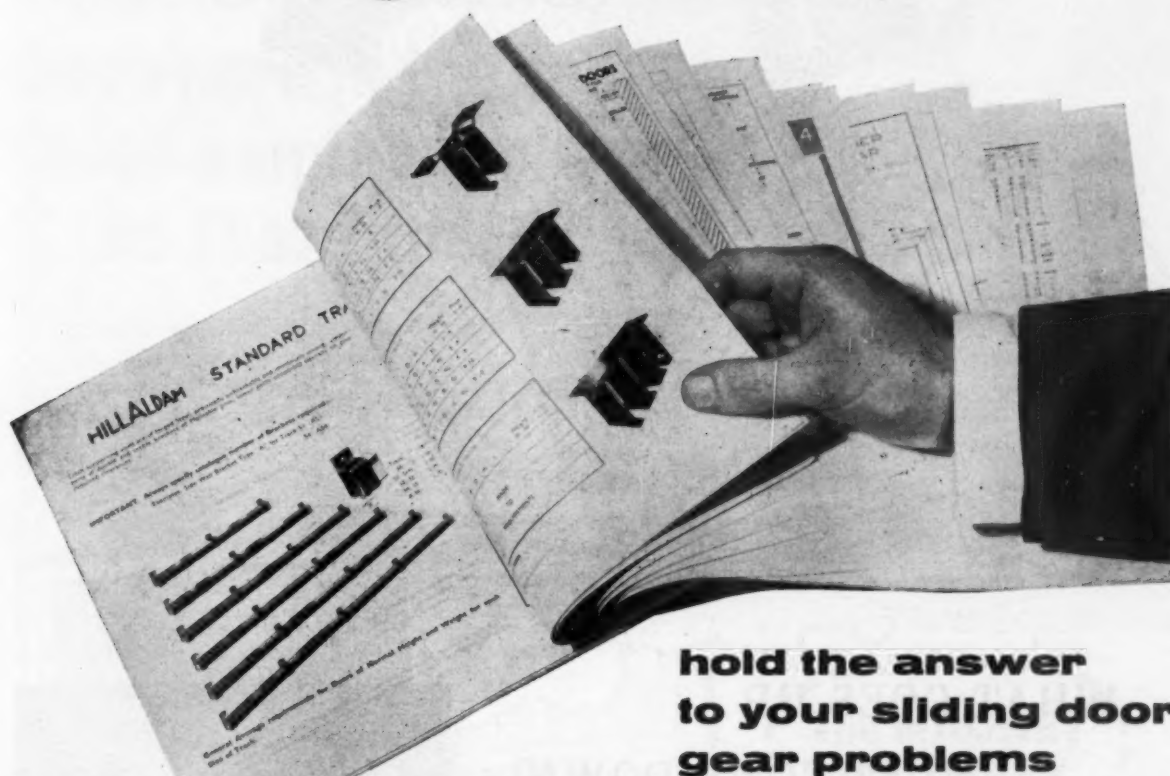
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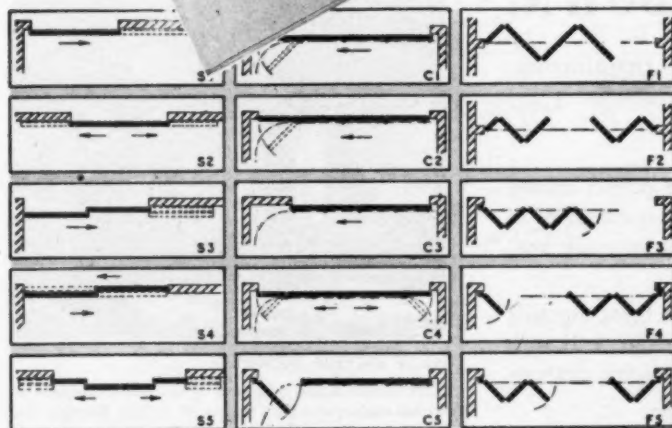


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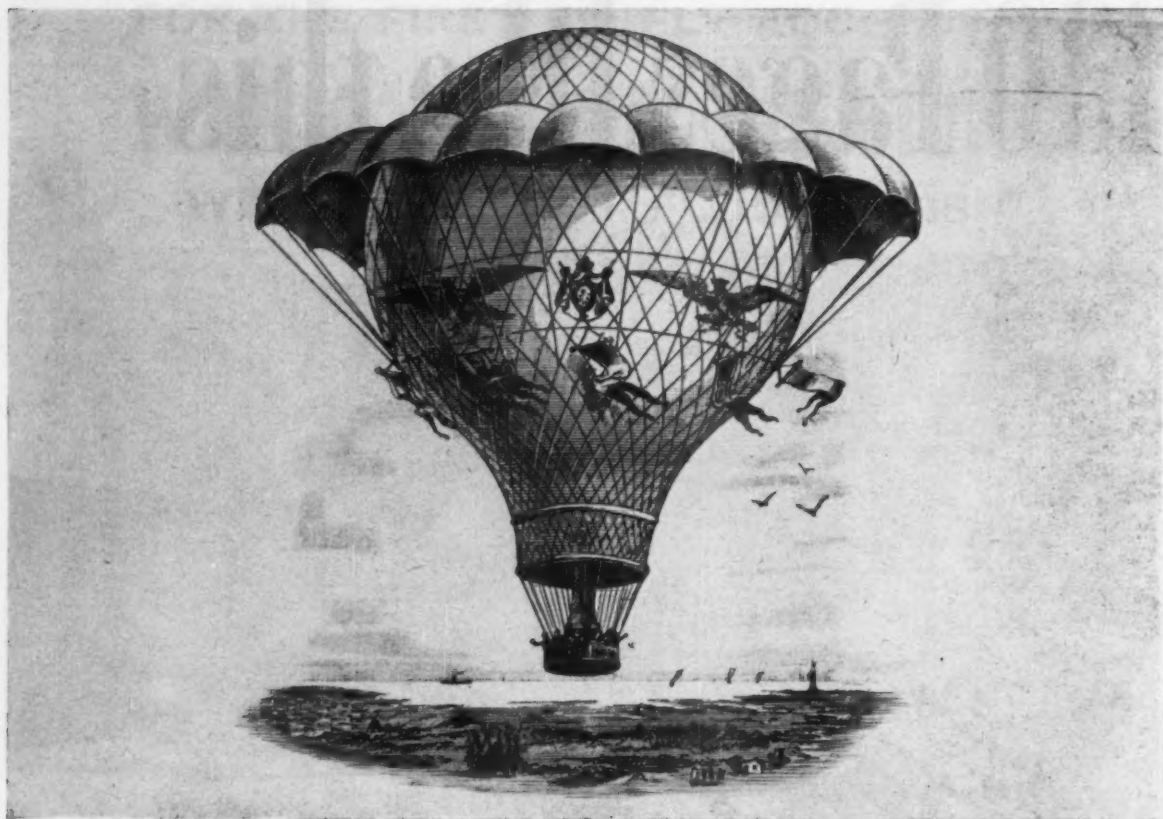
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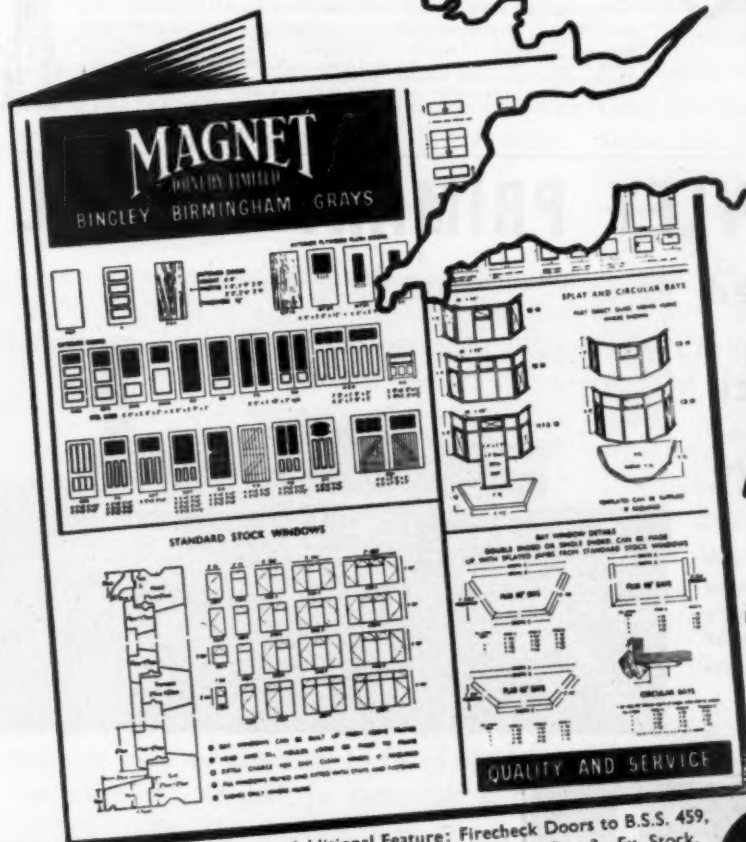


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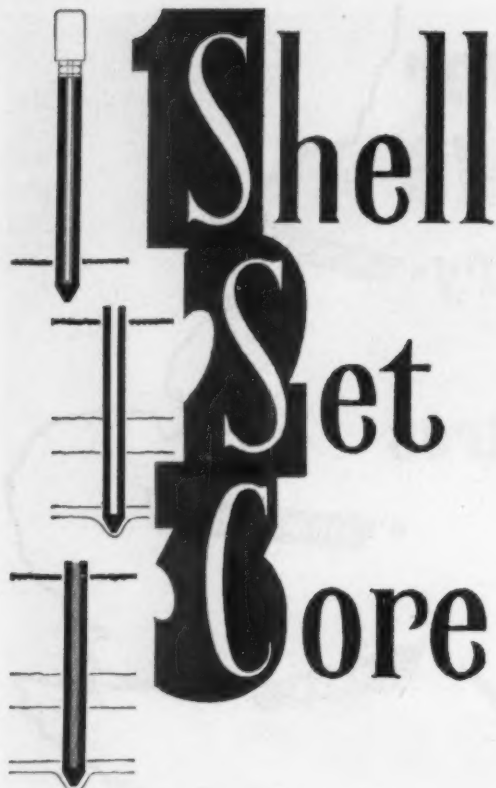
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THE ARCHITECT & BUILDING NEWS

7 October 1959

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ARE WE MATURE ENOUGH?

THIS week and next is Swiss fortnight; the culture, commerce and social activities of Switzerland are on show to Great Britain. A large programme of exhibitions (p. 262), including one of architecture at the R.I.B.A., presents that small country to this one. To mark the occasion we publish in this issue a cross-section of contemporary Swiss architecture.

What can we learn most from these impressive projects?

The Swiss approach the problem of planting round buildings in a far more thoroughgoing way than we do. This is the outstanding fact in these examples of Swiss architecture. They seem to take it as a matter of course that a new building should be properly furnished, right from the start, with a suitably designed landscape setting, including sufficient mature material to make an immediate impression.

In this country there has been much talk about the planting of semi-mature trees, but apart from successful work for the Festival of Britain and what is now going on in Birmingham, very little seems to have come of it. Suitable trees do not seem to be available in the nurseries; or perhaps their cost is prohibitive. Do the experts tend to ignore evidence to the contrary and protest that it is better to plant saplings to ensure healthy future growth? This last means in practice that buildings are garnished with objects that

look more like feather dusters than trees. And many of them die, which does not appear to happen to the same extent to the older trees planted in Switzerland.

It is worth mentioning the planting that goes on in a town such as Zurich. In Zurich there are upwards of 20,000 trees in the streets alone and in addition, of course, those in open spaces and woods. Most of these trees were planted when they were five to eight years old. They include a wide variety of species, of which the commonest in order of frequency are: Norway Maple, Robinia, Horse Chestnut, Limes and Planes. Very few of these die, the Zurich parks department inform us, and they grow, unless lopped, to the normal height for the species.

Is there any reason why we should not employ semi-mature trees on this scale over here, if they were available at the right price and the means of cheaply transporting and replanting also? After all, moving large trees was quite common in this country a century ago.

What seems to be needed is a thorough examination of the technical problems of preparation for moving, moving and replanting to find the best methods, and the organization of a planting programme aimed at producing a steady and large-scale output. A new Minister of Agriculture might well put that on his list "for action—immediately".

EVENTS AND COMMENTS

CALOUSTE GULBENKIAN FOUNDATION

The three teams of Portuguese architects taking part in the limited competition for a permanent building for the Calouste Gulbenkian Foundation have been provided with what must be one of the most complete client's briefs on record. An exhibition in one of the temporary buildings on the site in Lisbon gives the fullest information in chart form of the organization of the various departments of the foundation. In addition, general site information includes aerial views, full meteorological charts and tables. But this is not all. The projected building is to house the famous Gulbenkian collection of pictures and objets d'art at present divided between England, France, the United States and Portugal. With the object of helping competitors to design suitable galleries, every item in the collection has been photographed. These photographs, all to the same scale, have been arranged on slabs of cork, representing walls, so that the pictures, furniture and other items can be grouped together in rooms of suitable size. In this way the building, or so it is intended, will be tailor-made for the collection.

At first glance this seemed to me to be going too far, but it is clearly very important that the correct grouping of the exhibits should be maintained.

The site is in a close north-east suburb of Lisbon and is nearly flat. It is at present well wooded and beautifully planted, but no doubt the competitors will be given a free hand. The Portuguese are splendid landscape architects and the very encouraging climate of Lisbon is an admirable ally to them.

Each of the three competing teams consists of three

A fifty-foot high lighting standard at Bellevue Platz in Zurich. There are about six of these spaced eighty feet apart and lighting an area about as big as Trafalgar Square. Do they give the lie to the Ministry of Transport and lighting engineers who maintain that our present clutter of twenty-five foot columns is necessary to provide safe lighting?



Would this get past our advertising regulations? These brightly coloured footprints over the exposed end wall of an office building near Zurich station certainly help to cheer up what would otherwise be a rather dreary end wall. Incidentally the building is the late Professor Salvisberg's curved office building which was one of the landmarks of Swiss architecture in the late thirties

architects and each team will receive about £4,350 for its scheme. The building is expected to cost £1½ million. The assessors, who will judge the competition in January, 1960, are Carlos Ramos and Keil Amaral, of Portugal, Franco Albini, of Italy, and our own Sir Leslie Martin.

While appreciating the desire of the foundation to have the collection under one roof, one cannot but sympathize with the various national museums, to whom many of the items are at present on loan and who will lose them when the building is completed. I understand that while Britain and the United States have made no objection to the return of the items in their keeping, France has taken strong exception to the export of some unique pieces of French furniture. By no means all of the vast collection is outside Portugal. The foundation has recently bought the ancestral home of the Pombal family at Oeiras, some ten miles outside Lisbon. It was the Marquis de Pombal who rebuilt Lisbon after the disastrous earthquake of 1755. The house is a magnificent example of Portuguese domestic architecture of the eighteenth century and stands in many acres of most decorative grounds, although an ugly factory has been put up quite close to it. The terraces, waterworks and grottoes are in a poor state but the house appears to be in good order. Everything is, however, to be restored by the foundation. At present the house is closed and shuttered, with unit air-conditioners projecting from almost every window, and the grounds are continuously patrolled by some six policemen, for within is stored the Portuguese part of the great Gulbenkian collection.

Some of the rooms were unshuttered for a privileged party to see. The scene was fantastic: cupboards full of silver and china, rooms packed with priceless furniture under polythene covers; clocks, Chinese screens,

sculpture, books and so on, all stacked in metal racking. The pictures, perhaps, provided the most astonishing sight. They occupy several rooms and are hung touching each other on wire mesh screens which extend from floor to ceiling. One such screen was covered in Guardis—ten or a dozen of the finest I had ever seen, another had about the same number of Corots. The space between the screens is only just wide enough to walk through. The effect on one's senses is extraordinary. Identification depends on knowledge, since few of the works are labelled, in many sections they seem to be muddled into a hodge-podge of dates and styles. I would have liked to have spent several hours in these rooms but we only had ten minutes or so, which did little more than show the tremendous range of this one section of the collection's paintings.

I understand that the foundation intends to furnish the mansion as a museum, which will be complementary to the galleries in the competition building.

As to the probable quality of the architecture of the projected building I can find little guidance in modern architecture in Lisbon. There are a number of grand hotels, including the Ritz, rich in marble and looking exactly what it is, a human filing-cabinet, and the Tivoli. Shell has a new building and so has the School of Tropical Medicine. All are, to my mind, rather heavy and lacking in inspiration, although they are well planned and beautifully finished. Modern housing in Lisbon consists mainly of vast rectangular blocks of flats, well spaced and sited with deep balconies and excellent use of colour and coloured tiles externally, which is in the Portuguese tradition. Furniture and fittings are good. The temporary offices of the Gulbenkian Foundation might be almost anywhere in Europe. Some globe-trotter told me that in his opinion the bathrooms at the Ritz were the best in the world—all real marble.

Although current architectural form in Portugal would not justify a big bet that this competition will produce a masterpiece, there is little doubt that the problems will be solved in an efficient manner. The result will certainly be rich; let us hope that it is not too gaudy.

"BUILDING MATTERS"— FIRST NIGHT

I missed the first programme in the B.B.C.'s series "Building Matters". Opinion seems to be agreed that the performers were good and held together well by compère Charles Chrichton. Others taking part in the programme were Geoffrey McLean, John Weston, George Mansell, George Grosvenor and Bill Bryant.

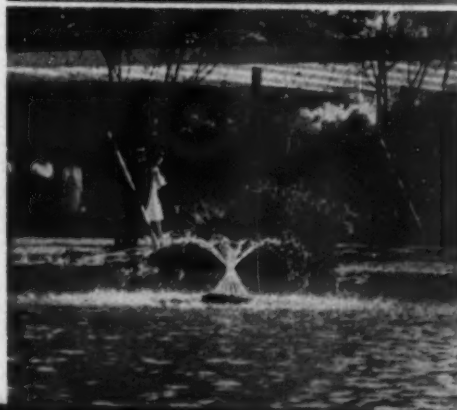
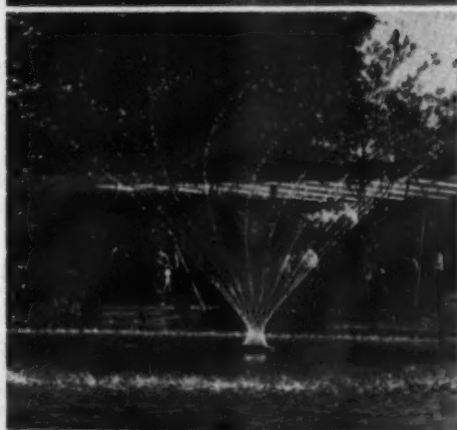
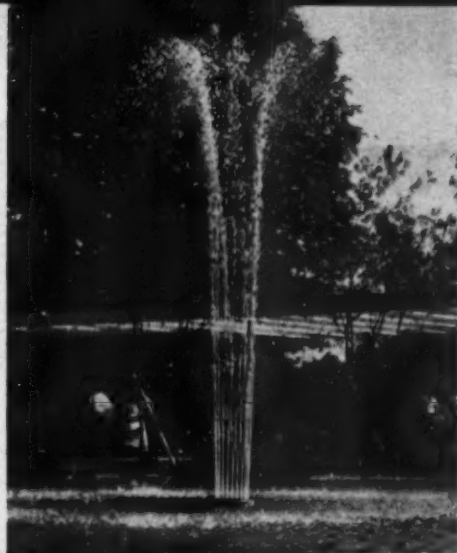
Peter Smithson is giving a talk at 10.30 p.m., on October 16, in the Third Programme, about Mies van de Rohe and the late F.L.W. The broadcast is described as a "kind of double profile" based on Smithson's thoughts about their work and opinions formed when he visited both men in America.

R.F.A.C. MEMBERS

Congratulations to Sir Colin Anderson and John Piper, who have been appointed to the Royal Fine Art Commission in succession to Sir Thomas Morton, F.R.S., and Lord Methuen; also to John Betjeman, who has been reappointed on the expiry of his term of office.

ABNER

This fountain called "Mirabelle" is from the first Swiss Landscape Exhibition in Zurich this summer. The fountain changes its shape continuously and only repeats itself every hour and a half. At night it is illuminated by five colour floods. Cost, complete with lighting and pump, £1,700





This 15-storey block of flats has just been opened in the Canal Street-George Street development area at Paisley. The height to the penthouse roof is 135ft; there are 56 three-apartment homes, four on each of 14 floors. The approximate cost for each home is £2,300. Designer, John A. McGregor, O.B.E., Burgh Engineer; main contractor, Blackburn (Dumbarton) Ltd.

Letters to the Editor

Churchill Memorial College

Sir,—I am most grateful to Mr. Bryan Little for the trouble he has taken in commenting (23/9/59) upon my Churchill College article. May I reply? He writes of my "assumption that colleges . . . were always and essentially urban in their nature". I do not think I made this assumption; some colleges were once more rural than they are now, i.e., they were on the edge of the town, but none was surely ever so isolated as were monasteries and country houses, and none, therefore, had to be designed for isolation. That Cambridge was once more rural I fully acknowledged in noting how necessary was "the cathedral scale of King's Chapel" in giving unity to the University as it was long ago. I cannot see Churchill College and the Madingley Road becoming part of Cambridge in what politicians call "the foreseeable future"—not, at least, in a good urban manner.

I do not insist upon "two-light windows," only upon a domestic scale, and—in the context of this discussion—do not care a rap whether the fifteenth, eighteenth, or nineteenth century was responsible. I was talking about design, not about archaeology.

I was aware that Gibbs' Building was intended by Gibbs to have two more wings. But it did not have them. It does not mitigate a blind man's blindness to say that he was meant to have two eyes; it shows a knowledge of elementary anatomy. The point is that Gibbs' Building is very highly praised, whereas it should be praised only as an abstract elevational study; as a collegiate building it is—as it stands—a failure. That is not Gibbs' fault; it is a fact.

I am sorry about St. Cross. I did not mean and did not say that it was a Cistercian monastery. I spoke of

its "little Cistercian Houses", meaning houses planned in a Cistercian manner. Monks' cells were off a corridor and therefore lacked that external and individual expression which is given to students' rooms in a college. It is a fundamental difference.

I have the greatest respect for Mr. Bryan Little's scholarship, but historicism is not criticism. Erudition is usually a whole world away from comprehension, otherwise designers could be picked up at two a penny in any library, and life would be much simpler.

Yours, etc.,

R. FURNEAUX JORDAN.

When is Enamel?

Sir,—I was interested in "Abner's" note (A. & B.N., September 9, 1959) on the film, "It's Glass", produced by my Council. You would be surprised at the number of people that write to us asking where they can buy a tin of vitreous enamel to touch up their bath, cooker, etc.

It is hoped that although we have rammed in a bit hard that you cannot buy enamel in tins, the trade and profession will forgive us. A great number of architects still refer to stove enamel when they mean vitreous enamel, particularly in relation to cladding.

Enamel for many centuries has inferred the first part of *The Concise Oxford Dictionary* description, i.e., "glass-like opaque or semi-transparent coating of metallic surfaces for ornament or as preservative lining". It is only in the past 20 years or less that any smooth, hard finish has been termed enamel, and I do not really think that the majority of painters, even today, fit that description.

Yours, etc.,

KEN JONES,

General Manager,

Vitreous Enamel Development Council.

Building Materials in Scandinavia

Sir,—I wonder whether I may refer, somewhat belatedly, to the letter from Mr. J. F. Clift which appeared in your issue of August 26, and which I read on the eve of my departure on a visit to Scandinavia.

Mr. Clift averred, somewhat to my surprise, that in Sweden bricks and timber were regaining lost popularity as facing materials and that "only a handful of buildings . . . were not using bricks". Now Sweden is a large country and Mr. Clift and I may have followed different routes, but in and around Stockholm I saw nine housing schemes, two schools and three blocks of offices, including the very extensive redevelopment in the centre of Stockholm. Curtain walling I saw, aluminium I saw, pre-cast concrete I saw, a great deal of rendering I saw, but of brick and timber there was very little. So much for the visual evidence, which I certainly would not claim to be conclusive. I did, however, have the pleasure of meeting and talking with a representative of the Swedish equivalent of the Building Research Station, who said of timber, "nowadays it is mostly used in our family houses", of brick, "brick dominated up to the last war. Today, however, many more buildings are constructed with other materials in the outer walls than brick". There is evidence in existence which confirms this. Figures provided by the Royal Swedish Building Board show that of the external walls of all types of housing in Sweden in 1948, 49 per cent were constructed in lightweight concrete, 19 per cent in ordinary dense concrete, 19 per cent in timber and 13 per cent in brick.

This, I think, leads us to the nub of the problem which is, of course, insulation, and for this the Swedes have found the answer to be lightweight concrete.

In view of the greater interest in insulation which there now is in Britain, may I end by quoting from Mr. Clift's letter: . . . it will be interesting to see whether Great Britain will follow the lead of Scandinavia and learn from their experience, or go ahead and learn the hard way."

Yours, etc.,

P. J. WITT,

Press and Public Relations Officer,
Cement and Concrete Association.

John and Mary discuss Cost Planning

ANARISC

Do-It-Yourself

"JOHN, there's a wonderful article in *Virgin and Home* this month. How to convert your kitchen and dining room into one room. All we would have to do is knock down the wall between the two rooms and put in a sort of metal girder to hold up the floors upstairs. You can do it yourself. Then there's a lovely breakfast bar you can make with a reeded hardboard front and a laminated plastic top, which fits into the hole between the two rooms. I think it's just what we need, and the materials for the whole job would only cost £20. This chap, writing the article, converted his kitchen and dining room almost single-handed. The only help he had was from his father-in-law, who held up the bedroom floors while he fixed the girder. I was talking to daddy on the 'phone this morning and he —"

"Mary, you know I haven't the time for these jobs. We are far too busy at the office."

"But, John, you have never had the time. You are just not interested in do-it-yourself, are you? You promised to make a garden seat and that combined record player and commode for a teenager's room, but what happened? Nothing. The only thing you had a shot at was the clothes prop in the July issue, and you forgot to make the vee in that."

"No, I'm not much of a do-it-yourself man, Mary. Don't believe in it. Every man for his own job, I say. I want to be a quantity surveyor, not a little man round the corner. I'll convert the kitchen and dining room when I can afford to pay a builder to do it."

"But you are just not interested in things these days, John. You always used to read *Virgin and Home* from cover to cover, now you only glance at the ads."

"Mary, that's not true. I read Auntie Millicent every month, and have done for years—ever since she advised that sailor's fiancée to wait. When do you read my *A. & B.N.*, anyway?"

"As a matter of fact, I read an article in it only the other day—something about a Conference on Cost Planning at Bristol."

"Oh yes, what did you think of it?"

"The first time I read it I didn't understand a word, so I put down my knitting and tried again. Then it began to make sense to me."

"Lucky thing."

"I remember somebody said that architects should work for builders for five years. That seemed a novel idea. What do you think of it?"

"It's a very good idea in principle, but five years is too long. You see, what these conferences prove, above all else, is that the building industry must get integrated, that everybody must understand the other person's problems if the industry is to be efficient. As a quantity surveyor, of course, I would like to see architects do six months in a quantity surveyor's office as well as six months with a builder. And I would like to see quantity surveyors loaned to architects and builders, come to that."

"Why isn't it done?"

"I think most people recognize the advantage of swapping staff among architects, builders and quantity surveyors, but it just isn't good business. There is not much that an architect can usefully do in a quantity

surveyor's office or vice versa. Each would be non-productive, and, hence, wouldn't make money."

"The root of all evil again. Somebody mentioned at this conference that the building industry's overheads were low compared with other industries. The interchange of staff would be one way of raising them."

"An ideal way. Incidentally, something that could be done immediately without much charge upon the industry's exchequer would be to send architectural students to work on sites in their holidays as assistant clerks of works. I think many architects would agree with that. At present those who don't bog off to Florence and Stockholm probably take jobs in architect's offices, but that isn't good enough. They need to get mud on their boots before they can call themselves architects."

"In the summing-up, reference was made to the architect as leader. Is this in doubt, then?"

"There are two types of architect known to quantity surveyors—arty and business. Speaking generally, the arty can't organize and the business can't design. The

Continued overleaf

Weeks Hall, the first hall of residence for the Imperial College of Science and Technology, opened by Lord Knollys, chairman of Vickers Ltd., who gave £150,000 towards it. This marks the first stage of the college's redevelopment scheme in Prince's Gardens, London, S.W.7. The ground floor contains public rooms; upper floors, study-bedrooms and a warden's flat on the top floor. Architects: Richard Sheppard, Robson and Partners



Do-It-Yourself

Continued from overleaf

arty ones, however, are the oysters likely to produce the pearl—the business ones are mostly building society—reconstructed stone-flagpole-on-front-elevation types. They can probably administrate a contract well, but they are only masqueraders in the field of art. The future of architecture lies with the long-haired boys and the problem today is teaching these to be businessmen. Unfortunately, in most cases, you are no more likely to do this than you are to teach a parrot to lay a square egg, and the only answer with these types is probably to get somebody into their offices who can administrate contracts, co-ordinate specialists, see that everything is buttoned-up before the drawings go to the quantity surveyors, issue variations, etc. This brings us to the all-in service which is mentioned in the article, and which is no more than the builder's answer to the architect's mismanagement in the past.

"So the all-in service is a sign of progress."

"I think it's a fine idea, as long as it keeps its parallel course to normal contract procedure. It will buck up architectural practice, as we know it, but it would be a calamity if it were to swamp it. The all-in service is ideal for the tycoon who wants a warehouse or a factory built quickly and is not much interested in elevations or cost."

"Surely the answer is to have building firms whose directors are architects."

"That wouldn't work even if it were allowed by the R.I.B.A., which it isn't. The architect must stand alone, insulated from client and from builder, to work at his best. Once he enters commerce his first thoughts must be for money. Aesthetics always come second to pound notes. So, the best answer is professionalism as we know it today in competition with a builder's all-in service. That is the only way to shake up architects and to give us, in the long run, good architecture with economic buildings."

"And where does cost planning come in?"

"Cost planning is part of professionalism's answer to the all-in service—a way of combining good planning with minimum cost. But cost planning is in its infancy—we are still thinking of the best way to put it into practice. That's what these conferences are about. We have not agreed yet upon the best way to plan for economy, or even who is the best person to do it, the architect or the quantity surveyor. One of the few things that we have established is that no planning of any sort is possible until the client makes up his mind what he wants."

"That does not sound new."

"It still needs saying."

"Who do you think should cost plan, or whatever you say?"

"The quantity surveyor should. But he is too busy today measuring all the complexities of modern building in ridiculous detail from a document called the Standard Method of Measurement. Once we can spend less time measuring we shall be able to give more time to cost planning. But I can ride the Standard Method hobby horse for hours. I'll stop."

"So really, cost planning is one of those things which is easy to talk about but difficult to put into practice because you haven't got time."

"Exactly, Mary."

"Like converting the kitchen and dining room into one room."

"Touché, my dear. Touché."

NEWS

Switzerland on Show : Exhibitions and Displays

The following exhibitions and displays have been arranged for Swiss Fortnight, October 5 to 17, inclusive:

At the R.I.B.A. until October 17, Swiss Industrial Architecture Exhibition. Monday to Friday 10 a.m. to 7 p.m., Saturday 10 a.m. to 5 p.m.

At Park Lane House, exhibition of Swiss watches, textiles, shoes, foods and wines, tourism and points of contact in Anglo-Swiss relations, etc.

At the House of Bewlay, Park Lane, exhibition of Swiss postage stamps.

Hulton House, Fleet Street, a display of Swiss light engineering and precision instruments.

At the Tate Gallery, from October 10, an exhibition of modern Swiss paintings and sculpture.

The British Museum is making a special display of Swiss prints from the R. W. Lloyd bequest. At the Tryon Gallery from October 7, Swiss animal, bird and flower paintings by Robert Hainard will be on show.

"Design in Switzerland" will be on show at the Ceylon Tea Centre from October 7.

There will also be various exhibitions, including a display of Swiss books, at the Royal Festival Hall, South Bank.

R.I.B.A. Senior Executive Post

The Royal Institute of British Architects are inviting, through the advertisement columns of the National Press, applications for a senior executive post, newly created within the salary range £2,000 to £3,000 p.a.

The task of the new executive will be to create a better understanding of the function of the architect in all its social, economic and aesthetic aspects and to relate this locally and nationally to the policy of the Institute and its allied societies. He will also co-ordinate the Institute's existing activities directed to these ends.

L.M.B.A. Club Room

The L.M.B.A. will have its usual clubroom (in the Conference Hall) for the use of members, and members of the National Federation from other regions, at the Building Exhibition in November.

New L.C.C. Buildings for Further Education

New schemes for the development of Chelsea College of Science and Technology and the Barrett Street Technical College have been released by the L.C.C.

Four new buildings are proposed for Chelsea—a hall of residence, a teaching block and a communal building for the college of science and technology and a school of art which will incorporate the art departments from the college of science and technology and the Polytechnic, Regent Street. The cost of the buildings will be about £829,400. Furniture and equipment will bring the cost to more than £1 million.

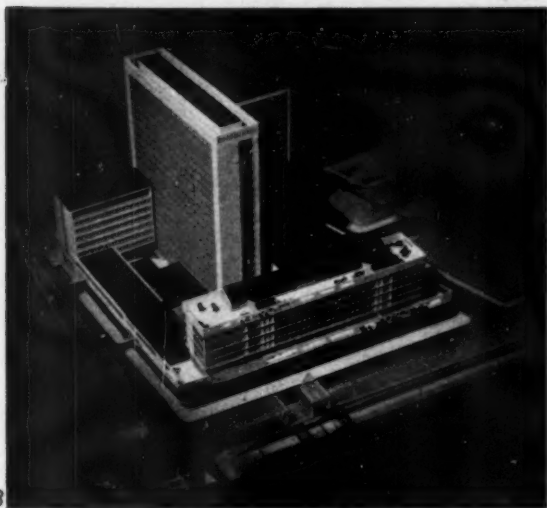
The hall of residence will accommodate 198 students and will be an 11-storey building parallel to Manresa Road. The ground floor will have offices for the warden and bursar, and a porters' room. Much of the space will be used to form a covered area for the students. Accommodation for resident staff, a sick bay and a caretaker's flat will be provided on the fourth floor. On each of the other floors there will be twenty-two single study-bedrooms, a communal room, baths, showers, lavatories and storage space. Two lifts will be installed. The warden will have a detached single-storey house at the rear of the site.

Barrett Street Technical College, the L.C.C. college for instruction in the needle trades, hairdressing and beauty culture, is to have a new six-storey building in

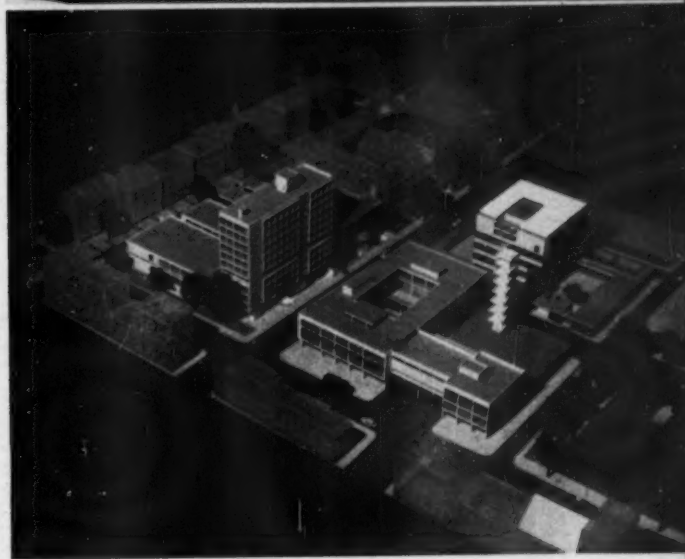
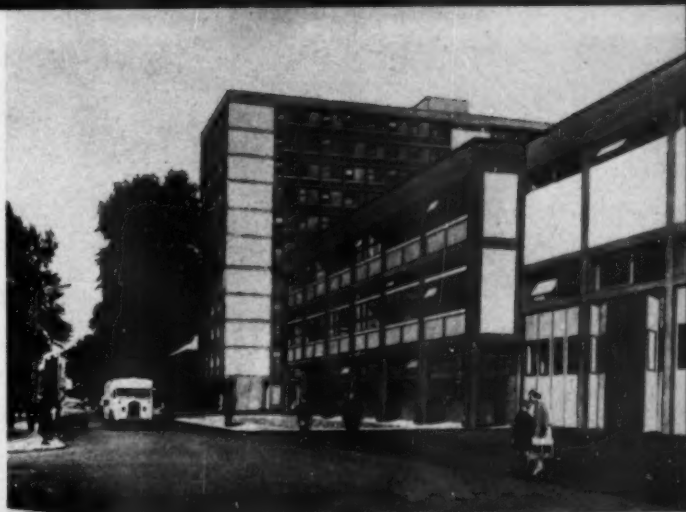
Oxford Street in place of the four separate buildings it has now. The new college will cost about £540,650, plus another £50,000 for new furniture and equipment. It will have accommodation for about 650 students.

The building will face onto Oxford Street and will stand on a raft above single-storey shops. It will form part of the development of the island site which is bounded by Oxford Street, John Prince's Street, Cavendish Square and Holles Street, and behind it will be office blocks rising to about 20 storeys.

News continued overleaf



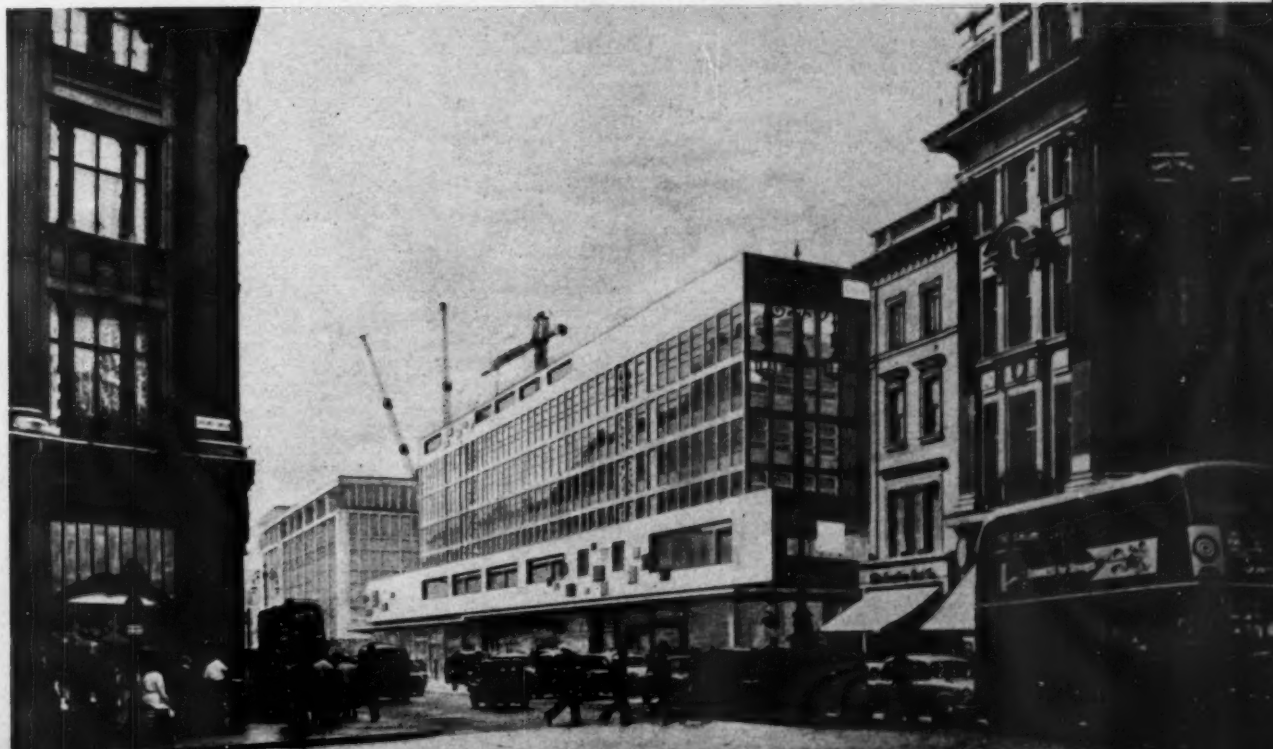
1 and 2, Chelsea Development. Perspective shows (right to left) fire station, science block and 11-storey hall of residence, looking west along the King's Road. 3 and 4, Barrett Street College Development. The model shows the college above shops, with offices by T. P. Bennett & Son behind. Perspective shows the college front to Oxford Street. See News Note



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4

NEW L.C.C. BUILDINGS FOR FURTHER EDUCATION



NEWS CONTINUED

N.C.B. Service to the Building Industry

The National Coal Board are providing an improved and comprehensive technical sales service which will include provision of technical literature to architects and others in the building industry. This is part of a campaign to make sure that fuel consumers, particularly those in industry, are aware of all the possibilities of coal. Mr. R. H. E. Thomas, the board's marketing member, points out that coal can compete with other fuels at an economical price and fulfil requirements of the Clean Air Act. The new technical services will concentrate on such problems as modification of plant and the selection of the right coal for the job.

The technical service is being backed-up by the appointment of a technical press officer, prices maintained at the present level, improvement of the quality and consistency of coal, and a large advertising campaign. The latter features big industrial firms which retain their coal-fired plant in preference to alternative methods which have been stealing the market, and includes so unlikely a bedfellow, for a nationalized industry, as Tate & Lyle.

Yerbury Foundation Lectures

The Yerbury Foundation, in accordance with its policy of expanding the scope of normal school training, is following up a lecture, given in May, by Jorgen Varming, the Danish heating engineer, with a new series. These will be given at the T.U.C. Hall, and the subject is: "The Relation between Design and Productivity".

The first one, on October 22, under the title "The Effect of Shape on Building Costs and Methods", will be given by three speakers: Mr. Sheppard Fidler, the Birmingham city architect; Mr. M. Thackeray, chairman of the R.I.C.S.; and Mr. T. Prosser, of Messrs. Thornton, the Liverpool builders.

The arrangements for the second and third ones are not yet complete, but the subjects will be: Relation between design and speed of building, and a discussion of methods of communication from the building owner's first idea to the practical execution of the work.

The last lecture will be given by Dr. Weston, of D.S.I.R., on the ways in which current building research is being applied to improvements in building methods and thus productivity.

Admission will be free, but application for tickets should be made now from the Secretary, Yerbury Foundation, 36 Bedford Square, London, W.C.1.

Housing Progress, August

The number of permanent houses completed in Great Britain during August was 20,670, compared with 20,661 in August, 1958. In the first eight months of this year 174,879 permanent houses were completed, compared with 177,791 in the same period of 1958.

R. S. Reynolds Award, 1960

Details of the fourth annual \$25,000 R. S. Reynolds' Memorial Award for significant use of aluminium in architecture have been announced by the American Institute of Architects. An architect may be nominated for the award by anyone, including himself or his firm. Prime consideration will be given to the creative value of the architect's contribution to the use of aluminium and its potential influence on architecture. Preference will be given to works completed during the last three years, but the jury selected by the A.I.A. may acknowledge earlier work. Nominations will be accepted until December 7, 1959.

Architects practising in any country are eligible and membership in a professional society is not necessary. Nomination forms will be available from the R.I.B.A., The British Aluminium Co. and Reynolds T.I. Aluminium Ltd., or direct from the A.I.A. in Washington, D.C. (1735 New York Avenue, N.W.).

Appointments

John Brandon-Jones, P.P.A.A., A.R.I.B.A., has been appointed to the Advisory Committee of Buildings of Special Architectural or Historic Interest, one of the committees which advises the Minister of Housing and Local Government. Mr. Brandon-Jones has special knowledge of nineteenth-century architecture. He was an *ex-officio* member of the R.I.B.A. Council when he was president of the Architectural Association.

The Timber Trade Federation of the United Kingdom has appointed Sir Harold Emmerson to examine the constitution of the federation and of the Timber Development Association and to make recommendations, particularly on finance, research, and publicity. Sir Harold was until recently Permanent Secretary to the Ministry of Labour and National Service.

Tripartite Conference

A conference between members of the L.M.B.A., R.I.B.A. and R.I.C.S. will be held at Sundridge Park between December 2 and December 5. It will discuss a number of problems in the building industry and may publish a report on "Communications in the Building Industry," should the importance of the discussions warrant it. This conference will be preceded, in the same week, by a management course for directors and senior executives.

National Youth Centre : Crystal Palace

The L.C.C. hopes, before Christmas, to go ahead with its scheme for a National Youth and Sports Centre at the Crystal Palace. Tenders could be invited immediately, and building work, which would take about three years, might start in the early summer of 1960.

The L.C.C. approved, in principle, the plan, on November 16, 1954, and the Council agreed, after a further report on June 19, 1956, that working drawings should be prepared so that building could commence when finance was available.

A.C.U. and the Poll

The Architects' Christian Union meeting, planned for tomorrow evening and announced in our Coming Events last week, has been postponed, owing to Affairs of State. Tomorrow is polling day.

Coming Events

The British Section of the Societe des Ingenieurs Civils de France and the Cement and Concrete Association

October 8, at 6 p.m. "The Basilica of St. Pius X at Lourdes", by J. Chaudesaigues. At the Institution of Civil Engineers. Great George Street, S.W.1. Inquiries: BEL 6661.

B.B.C. Network Three. "Building Matters"

October 13, at 7 p.m. Trends in design in the New Towns will be described by Cleeve Barr and there will be a discussion on the "face lift" given to Magdalen Street, Norwich. Stanley Boakes, of the Cement and Concrete Association, will suggest methods for improving the quality of concrete.

Royal Society of Health.

October 14, at 2.30 p.m. "Sound Proofing and Thermal Insulation of Buildings", by E. F. Stacey, A.R.I.B.A., and J. Churton, A.R.I.B.A. At 90 Buckingham Palace Road, S.W.1.



Mountainous landscape seen from the Hotel Astoria (page 266)

Switzerland on View

This is Swiss fortnight. The culture of a country is on show, and part of this culture is its architecture. In the spirit of this valuable exchange of ideas, we publish an appreciation of the big contribution made by a small country to architecture.

MOST European countries have a great deal to offer an English architect. It is not that things are necessarily better abroad. They are often worse. In many things, such as housing, schools and some kinds of comprehensive development, we are now well in the forefront. It is rather that each country, because of its historical and social background, tends to do certain things well; and even if it does not do them better than we do here, it does them differently, and the differences are often invigorating and cast new light on our own problems.

Switzerland is a case in point. Their circumstances are as different from ours as they could be. Traditionally, we have been protected by the sea from our enemies; they only by their own vigilance and determination. We speak one language; they speak four. We have much fertile land and varied mineral wealth; they have little of either. We have a mild and equable climate; they suffer continental extremes made worse by the mountains.

Three things only we have in common. Ingrained democratic habits of thought, a fanatic love of liberty and a stubborn insistence of the right of the individual to live his own life.

Probably the first impression in towns such as Zürich and Basel is their quietness and homogeneity. There has been no break in the continuity of Swiss architectural development. The Swiss Industrial Revolution came a hundred years later than ours and it brought no squalor or lowering of visual standards. Architecture seems to have evolved slowly and steadily from the Swiss equivalent of Georgian into Swiss Contemporary.

This slow, steady development, combined with a strong regionalism, gives Swiss towns a unity of style which at first glance may seem boring and a trifle heavy. But when one looks more closely one finds gems of good contemporary design sitting unobtrusively between dull and not so dull remnants of an earlier age. These new buildings are good mannered and tactful and fit in well with their surroundings.

One thing then we can learn from the Swiss is architectural steadiness. How to be interesting yet urbane. How not to bore one's grandchildren.

The second thing is thoroughness. This has to be seen to be believed. The Swiss say themselves, with apologetic smirks, that they are perfectionists, and certainly in architecture and landscaping they are. Their schemes are worked out to the last millimetre or blade of grass, as the case may be. A Swiss building tends to look inevitable as though it could not have happened in any other way.

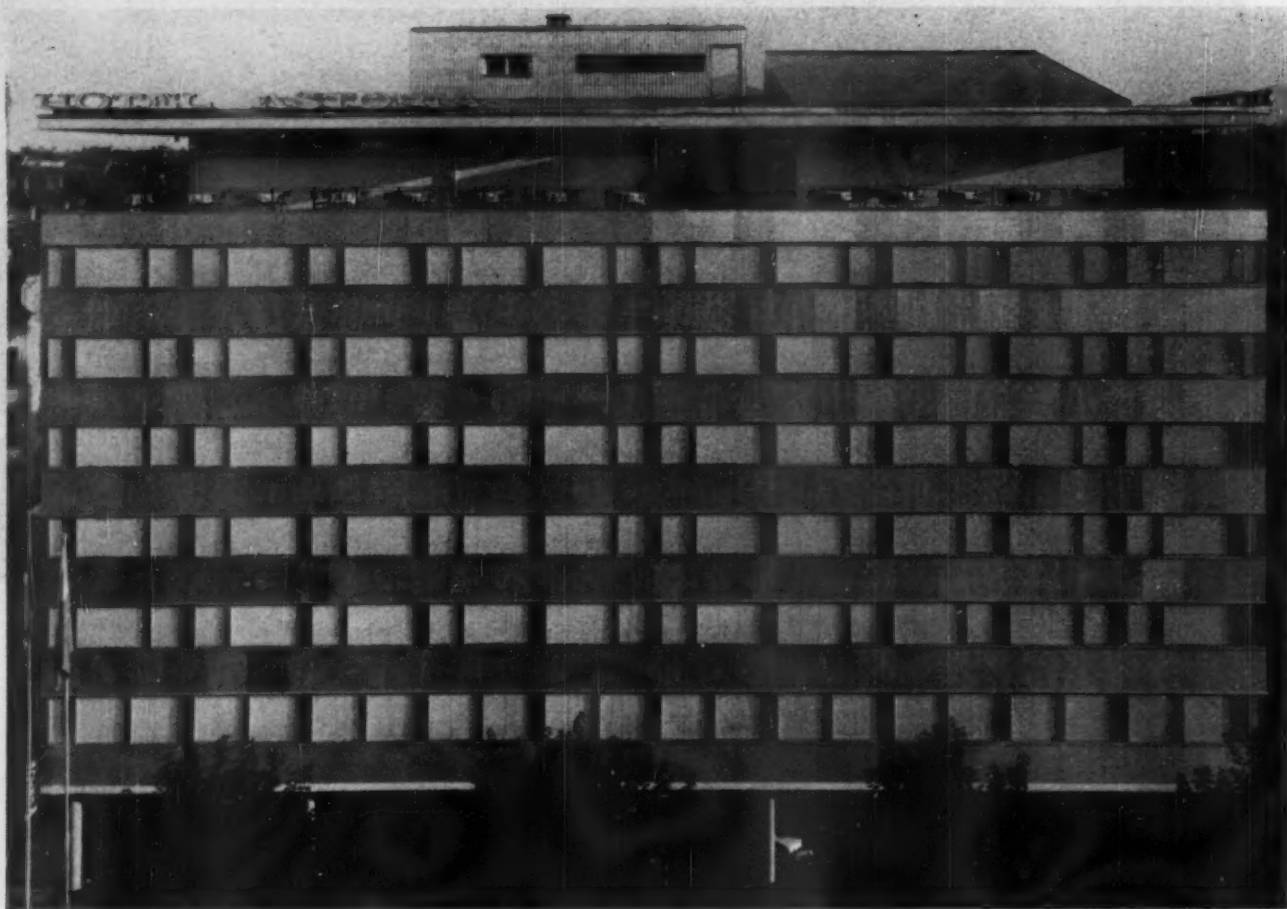
The third thing is their use of landscaping. Landscape architects are universally employed. An architect would no more dream of not having his buildings properly landscaped than he would of leaving out the plumbing.

The landscaping which results is, of course, not always, like the architecture, of the highest standard, but it is nearly always good of its kind. It always relies on the permanent planting of trees and shrubs with large areas of grass, and it aims at achieving an immediate effect. There is no question of planting a few three-year-old trees which will make no impression for the next ten or fifteen years. The shrub planting is conceived as an immediate solid and there is a lavish use of large trees.

The Swiss Town Planning legislation is not as advanced as ours and the enormous expansion which is taking place in many of their large towns are often doing so in what we should regard as a largely uncontrolled way, without proper neighbourhood planning, shopping centres or open spaces.

A similar lack of foresight is to be found in the centres of towns such as Zürich. The local architects and planners have produced scheme after scheme for improving the traffic conditions and enhancing the shores of the lake. At present there seems not the faintest possibility that anything will be done. Zürich seems only too inclined to rest on its past laurels and ignore the implications of the motor age.

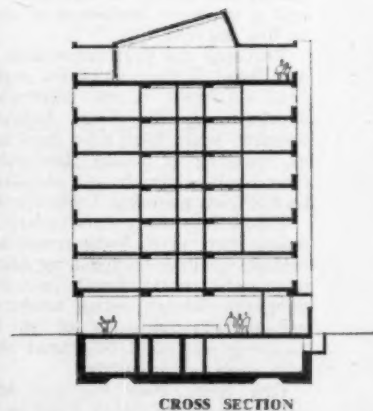
Surprisingly, one finds there is no registration of architects in Switzerland. It is by no means unknown for an ambitious joiner or plasterer to work his way up to a large and successful architectural practice. It says a good deal for the soundness of architectural traditions that the result is not disastrous.



Hotel Astoria at Lucerne

On the following pages we illustrate a number of building types to give a cross section through recent architectural achievement in Switzerland. From the hotel, perhaps the visitors' first impression of this country, we move on to visit playground and swimming pool, museum, bank, offices and residences, to end with industry and the power station at Basel

Top, the main front showing the roof-top entrance hall and terrace. Below, the entrance hall



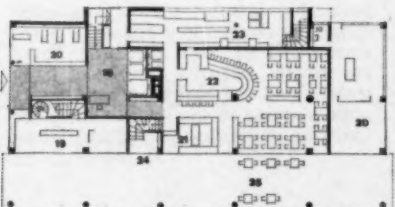
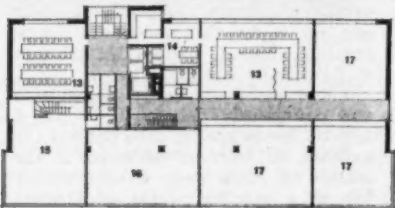
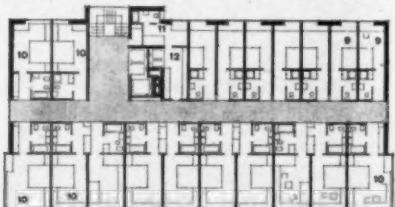
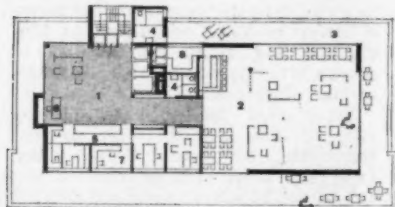
THIS hotel, based on American practice modified to Swiss conditions, provides bed and breakfast only. The guests, on arrival, are taken in a high-speed lift straight up to a roof-top entrance hall which has wonderful views over the mountains. Practically all the public rooms and administration, found on the ground and first floors, have been transferred to the roof, thereby freeing the valuable ground and first floors space for shops and public restaurants.

There are 95 guest rooms—35 single and 60 double. The single rooms have their own shower bath, w.c. and basin. Double rooms have a bath, w.c., two basins and a bidet. The single rooms have a bed about 4ft wide and can presumably sleep two; the double rooms have two normal size single beds.

Architects: Theo Hotz and F. Altherr.

KEY:

A. Plan of top floor. B. First floor plan. C. First floor plan D. Ground-floor plan. 1. Reception lobby. 2. Foyer with bar. 3. Terrace. 4. W.C. 5. Reception. 6. Kiosk. 7. Administration. 8. Service. 9. Single rooms. 10. Double rooms. 11. Staff rooms. 12. Service. 13. Conference room. 14. Staff dining room. 15. Beauty salon. 16. Laboratory. 17. Professional offices. 18. Entrance and porter's desk. 19. Hairdresser. 20. Shops. 21. Kiosk. 22. Restaurant bar. 23. Main kitchen. 24. Separate entrance to first floor. 25. Arcade with coffee bar.

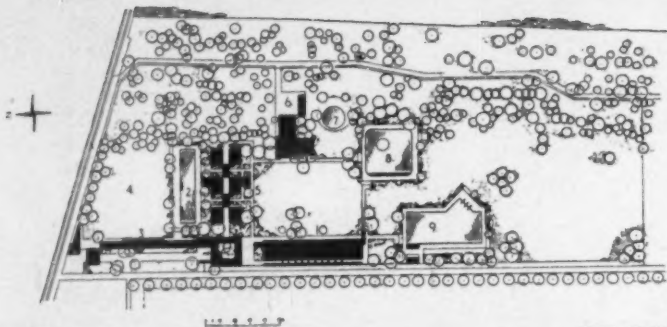


Right, a night shot. Below, a typical single bedroom. Bottom, a double bedroom at the corner of the plan



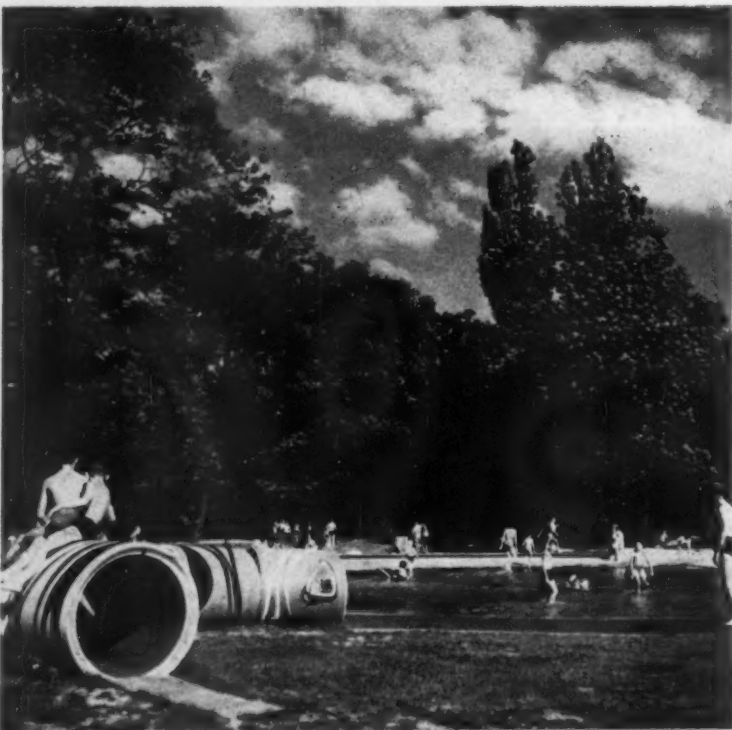


Above, a view from the main entrance. Changing cubicles may be seen beyond the covered way. Left, looking over the swimmers' pool to the wooded foothills of the Jura. Bottom, the paddling pool and playground



KEY:
1. Main entrance. 2. Learners' pool. 3. Children's and teachers' changing rooms. 4. Children's play area. 5. Changing cabins. 6. Restaurant. 7. Paddling pool. 8. Pool for non-swimmers. 9. Pool for swimmers. 10. Changing cubicles.

SITE PLAN



St. Jakob Baths

SUMMER weather in the Swiss lowlands is often unbearably hot. Many families manage to get away to a chalet in the mountains but there is always a large population of hot children and adults thirsting for a plunge into the comparative coolness of lake or swimming pool.

Since 1951 the big towns have attacked this problem with energy. Basel has built three large baths including a very large one at St. Jakob which will accommodate virtually the whole population of the eastern sector of the town. Other baths are being planned to serve the western end. The River Rhine is considered too dirty for swimming.

Zürich, more fortunate than Basel, has a lake and two rivers. The lake has two very large "strandbads", one of which is illustrated here (pages 269, 270). The River Limmat, which runs through the centre of the town, has a number of baths, including one on a floating pontoon. There are also "inland" baths of which one at Allenmoos is excellent.

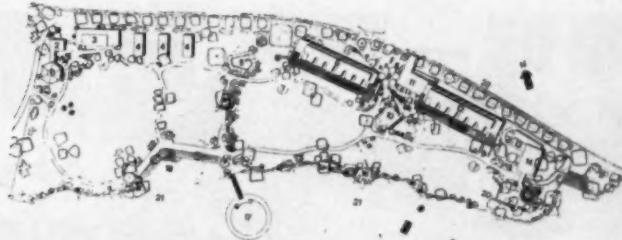
These baths are enormous in size and consciously planned to create a holiday landscape, to give bathers the expanse of freedom obtained at the seaside of being away from ordinary life in a carefree world of laziness and ease. Space is, of course, the noticeable feature—such a landscape cannot be created in a couple of acres surrounded by back gardens. There are usually extensive screens of large trees round the perimeter, and large-scale planting in the interior to divide space up into shapes of different sizes.

Continued on page 271



1. Girls' changing pavilion. 2. Toilets. 3. Boys' changing pavilion. 4. Single changing cubicles. 5. Paddling pool. 6. Sandpit. 7. Hot and cold douches. 8. Women's changing pavilion. 9. Main entrance. 11. Administration. 12. Men's changing room. 13. Self service restaurant. 14. Kitchen. 15. Tea pavilion. 16. Diving platform with boards at 1, 3, and 5 metres. 17. Floating pontoon for non-swimmers. 18. Sandy beach for non-swimmers. 19. Paved ramp. 20. Statue. 21. Lake of Zurich with a moored raft for swimmers. 22. Boundary road.

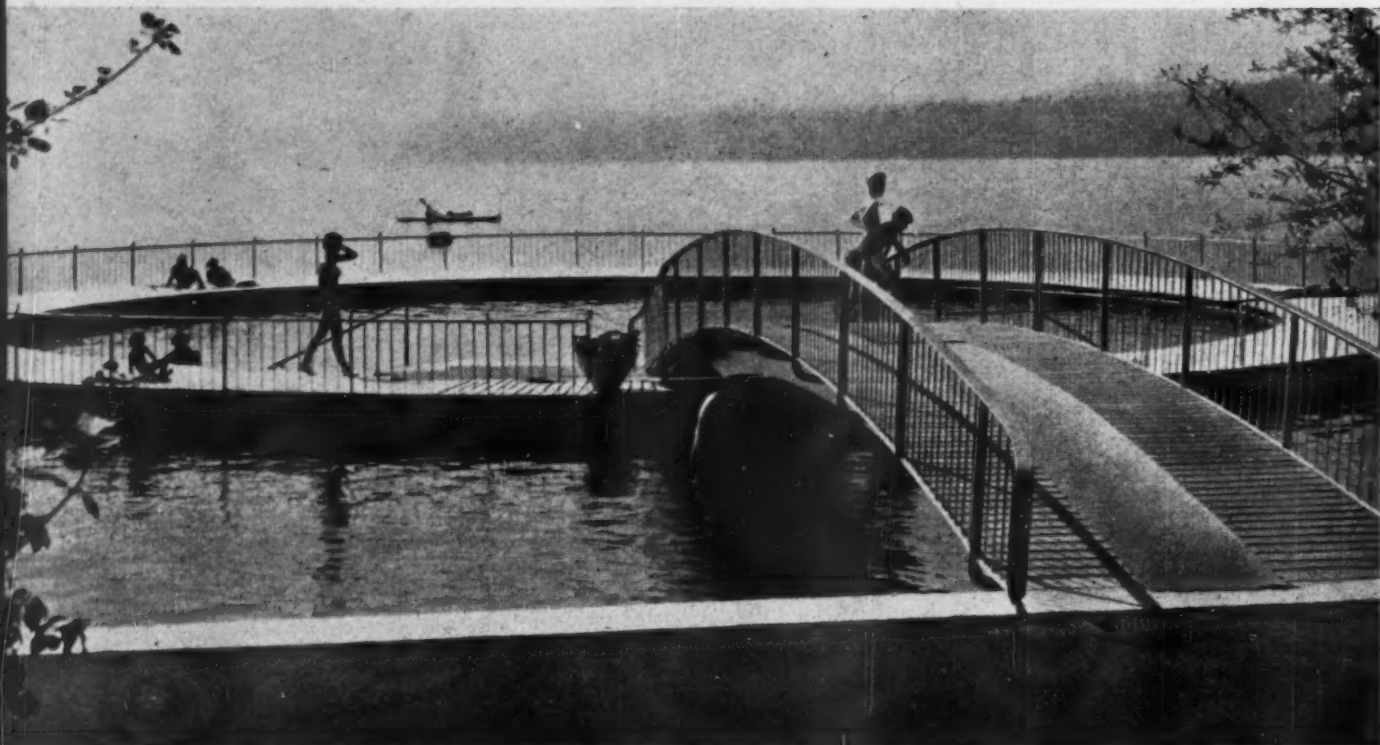
SITE PLAN



The Tiefenbrunnen baths (top photo) are on the east side of the Lake of Zurich. The baths cover five acres and are designed for 3,000 bathers at a time. Right, the main entrance. Above, a diving board set with artificial rocks and planting

Lakeside Bath at Tiefenbrunnen



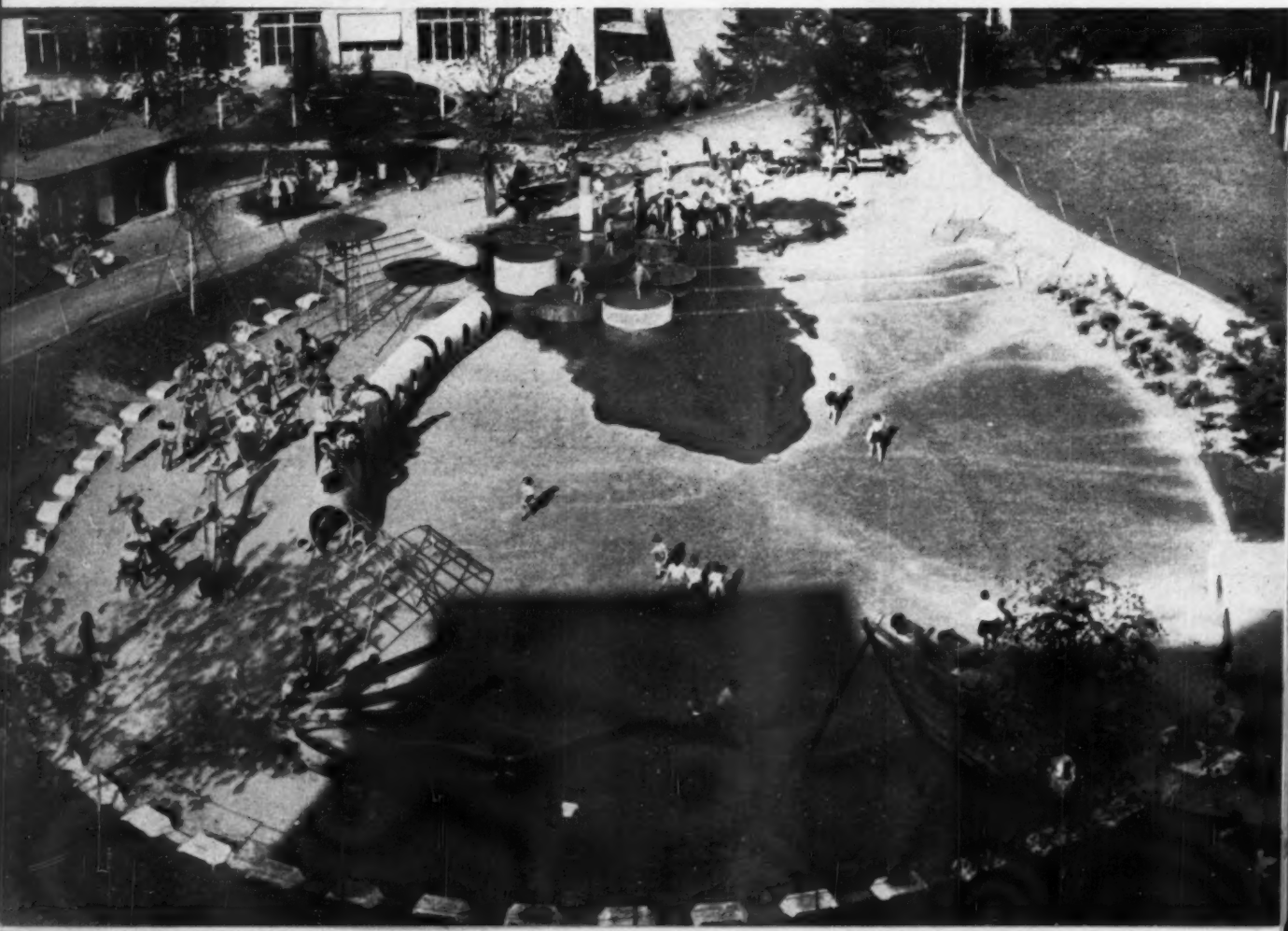


A reinforced concrete pontoon, just under 3ft deep, is provided for non-swimmers

Lakeside Bath at Tiefenbrunnen

Playground at Heiligfeld

An aerial view of the Heiligfeld playground (see facing page)



Continued from page 268

At St. Jakob there are four baths: for swimmers, for non-swimmers, for school swimming lessons (every child has to learn to swim) and for paddlers. These baths are large, but quite swallowed up in their parkland setting. The main impression, even on a busy day, is of a wide stretch of park with groups of bathers lying on the grass. The planting acts as visual breaks and to furnish the area by providing it with objects intermediate in scale between forest trees and people.

Because planting is carefully selected and children and adults well behaved, there is little or no damage to the landscape: and there is *no litter*. The Swiss are a tidy people, but something at least of this freedom from litter must be due to the generous layout and faultless upkeep. People are shy of making a mess in a tidy and spotless front parlour. (Only four attendants are needed at St. Jakob to supervise a peak intake of 14,000 people.)

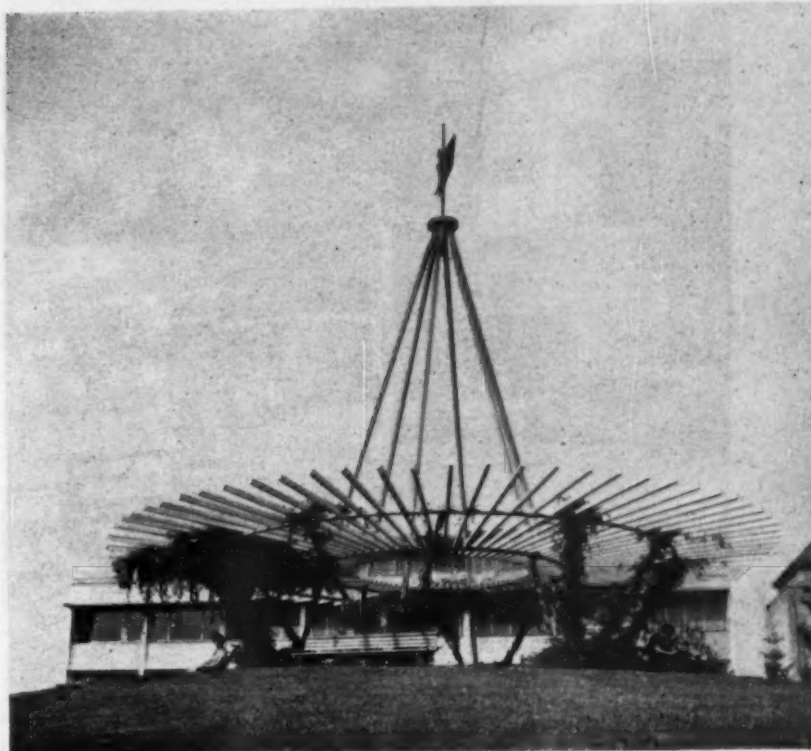
The "strandbads" at Zürich are smaller and more crowded than at St. Jakob but they have the whole of the lake as a playground and the wooded hills as a backcloth. The layout is at least as good as that at Basel. The whole area is thickly screened by trees and the changing rooms from the land side look south-west over the lake through carefully arranged vistas formed by clumps of trees and shrubs. Getting into the lake is over the rocks or down a wide ramp, slippery with algae (on which your reporter skidded and sat down with a dull thump).

Children and non-swimmers bathe either in a specially prepared and bollarded beach or in a ring-shaped pontoon with an artificial bottom (see facing page). There is also a paddling pool. Although these baths tend to get fairly crowded there is generally room enough left for impromptu ball games, and one can stroll along the paths looking at people and the varied detailing of buildings and planting.

There is an open-air restaurant at one end marked by an odd-shaped roof looking like an inverted plant pot.

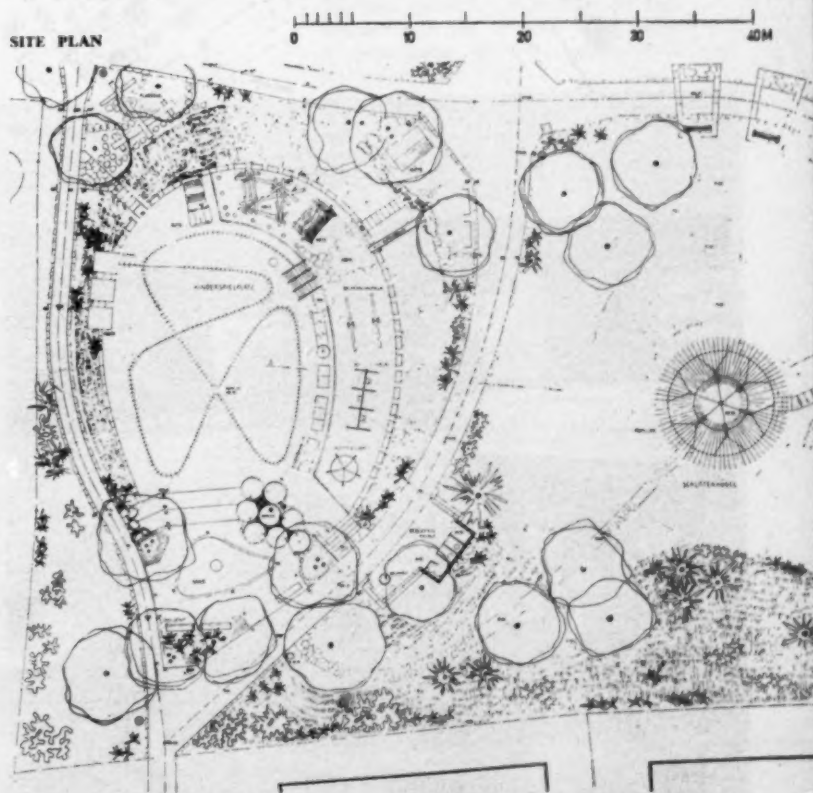
The lake itself is chock full of pleasure craft of all kinds: sleek low passenger boats like those at Amsterdam, private cruisers, speed boats, rowing boats of a peculiar heavy shape which must be very hard work to row, lake steamers of all sizes, swans, small powered pontoons, yachts, and an occasional canoe and rowing skiff.

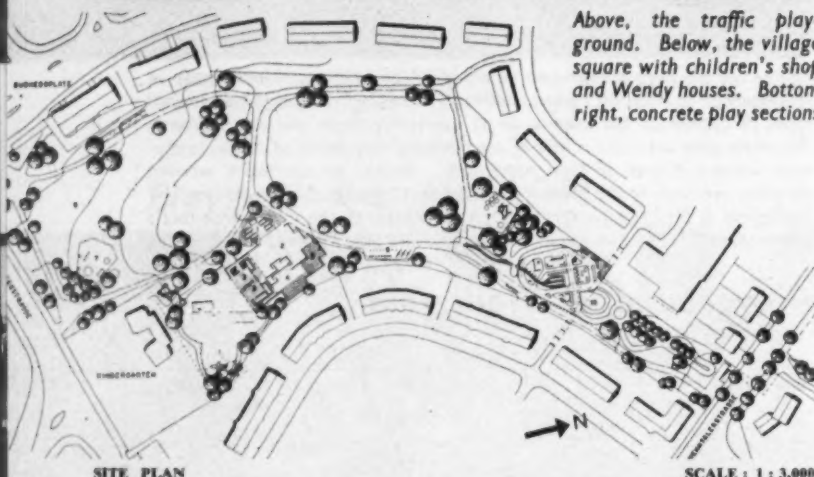
Architects for the lakeside bath at Tiefenbrunnen: Josef Schütz, Willy Roott, and Otto Dürr. Landscape: Josef Schütz and Hans Nussbaumer. Architects for the St. Jakob baths: M. Rasser, T. Vadi. Landscape: R. Arioli.



Unlike the Buchegg playground (see page 272) which is revolutionary in its approach to children's play, the Heiligfeld playground employs normal types of apparatus but does so in an extremely fresh and original way. The main play area has a belt of sand around two-thirds of its perimeter with various pieces of play apparatus. Above, an openwork wooden pergola, overlooking the play area. See text on page 272. Architect for Heiligfeld & Buchegg playgrounds: A. Trachsel, of the Chief Architect's Department, Zurich, in collaboration with Litz and Schwarz for Buchegg

Playground at Heiligfeld





KEY: 1. The village square. 2. Piazza. 3. Two interconnected hobbies rooms. 4. Open-air theatre. 5. Club-room, children's library and reading room. 6. Toilets. 7. Two playgrounds for small children. 8. Meadow for family picnics in summer and tobogganing in winter. 9. Swings and seesaws. 10. Children's town and traffic playground.



Above, the traffic playground. Below, the village square with children's shop and Wendy houses. Bottom right, concrete play sections

FIVE years ago the A. & B.N. published an account of the new ideas in playground planning which had originated in Scandinavia after the war. These ideas amounted to a complete change in approach to the problem away from the old dependence on mechanical apparatus (which only interest children for a short time) to the provision of facilities for all kinds of active imaginative and creative pursuits such as climbing, building sandcastles, games of make-believe, building wooden houses, model-making, acting, dancing, painting and so on.

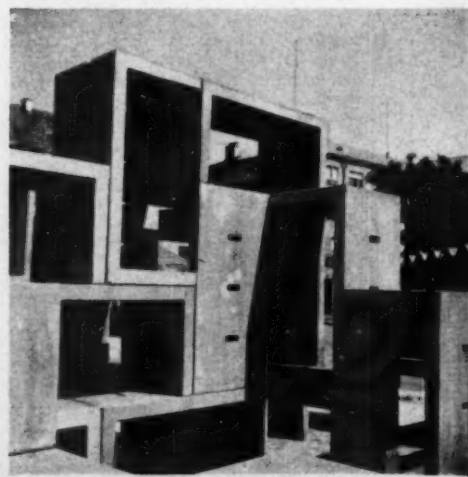
Many of these activities need skilled supervision and as this is expensive to provide, there has been little of this development in the United Kingdom. But in Scandinavia, Germany and Switzerland, the idea has been growing and developing and it seems worth mentioning, therefore, two of the more recent Swiss playgrounds.

The Buchegg playground is the latest in Zürich. It serves an entire neighbourhood and was built under the auspices of Pro Juventute, the Swiss organization for children's welfare. Each neighbourhood in Zürich, and in other towns, will eventually have a similar playground. Buchegg is officially described as a play and recreation centre for young and old, and its use is by no means restricted to children. Parents are encouraged to join in.

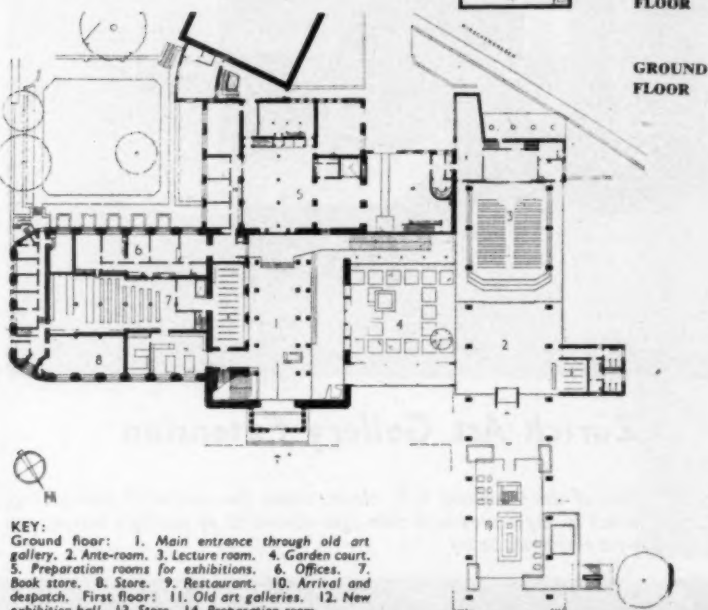
There are two main areas of activity, at opposite ends of a large landscaped field. At the top end is a loosely grouped assemblage of small concrete flat-topped buildings looking rather like a stage-setting of an Arab village. These huts, many built to children's dimensions, contain props for all kinds of activities.

The two hobbies rooms, fully equipped with tools, including a lathe,

The Buchegg Playground



Zürich Art Gallery Extension



and an electric kiln, are used mainly for painting, joinery and pottery, supervised by a professional play leader and by interested grown-ups who are encouraged to use the equipment themselves.

There is also a small zoo, a children's shop set in a children's village, a children's theatre, a library and reading room.

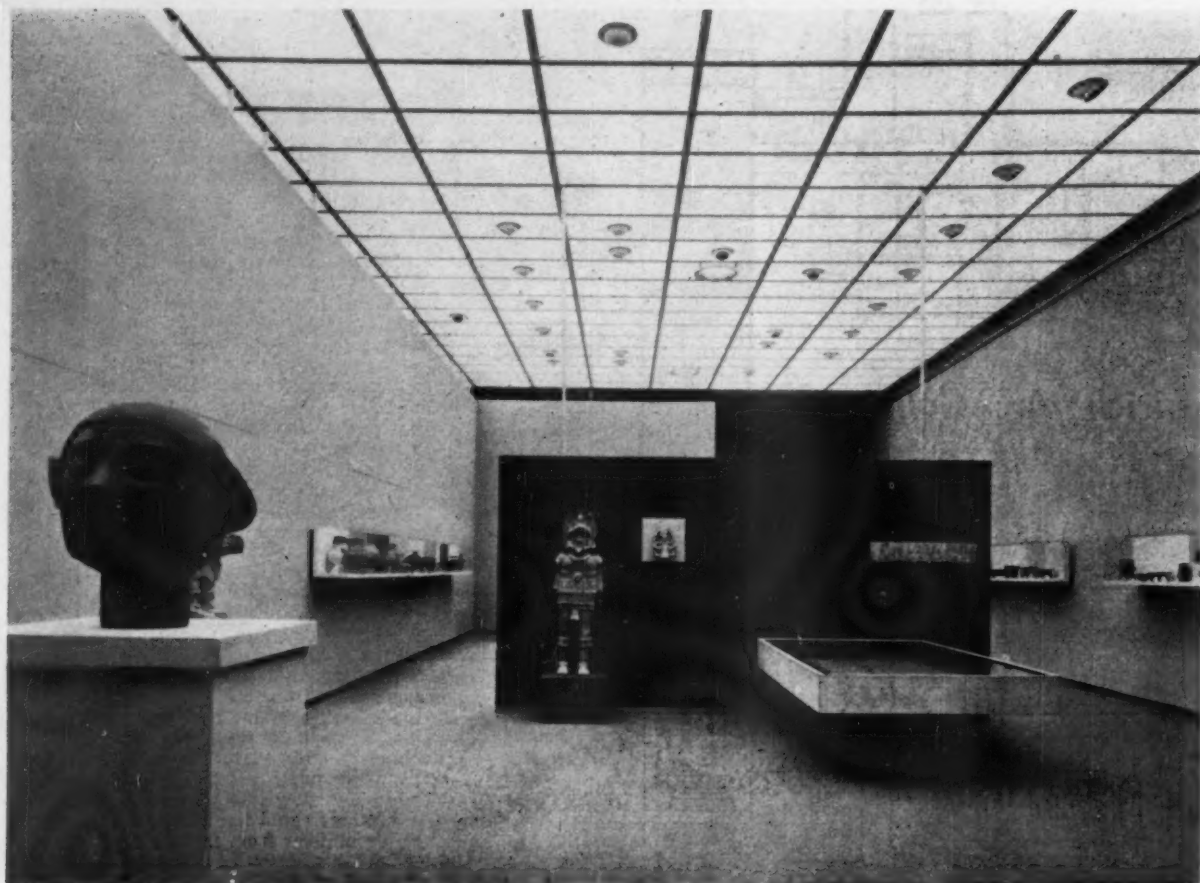
At the lower end of the field is a traffic playground laid out with miniature roads, crossings, intersections and traffic lights. The children drive around on scooters and bicycles. The traffic playground is not new to this country and we have a number in operation.

The Heiligfelt playground in another part of Zürich was built a few years ago. It contains standard elements such as swings, see-saws, climbing trees and frames, miniature houses, sandpit and paddling pool and its interest lies in the virtuosity with which these elements are put together. Standard concrete sections are used most imaginatively in ways which would astonish their manufacturers. Concrete sewer pipes are made into a train, bridging sections into a stepping stone surround and circular tanks into a pattern of paddling pools at different heights which overflow into each other.

Mothers can keep an eye on their children either from seats in the playground itself or from an open-air pavilion on a low hill overlooking the site. This pavilion is itself a minor masterpiece in garden architecture and recalls early Swedish work.

The new extension is seen at its connection with the original art gallery. A description of this extension is printed on page 275





Zürich Art Gallery Extension

Part of the exhibition hall, above, shows the controlled top-lighting, which is augmented with side-light controlled by multiple louvres, see west elevation, below



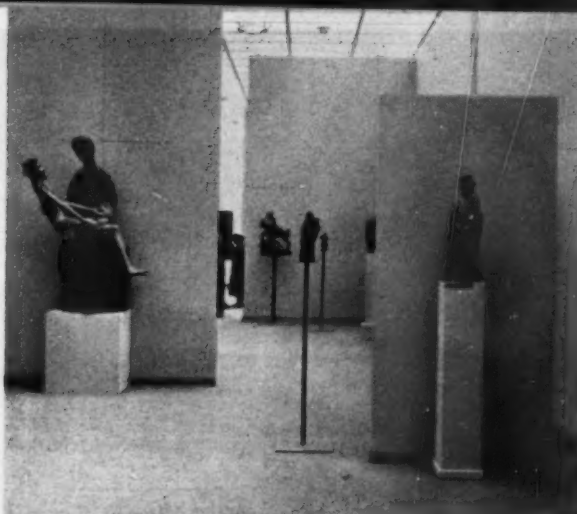
THE old art gallery, built at the beginning of the century, became inadequate. In 1944 a competition was held, open only to Zürich architects, for a new wing to be linked with a partially remodelled old building. The new group is an object lesson in the successful marrying of old and new, each retaining its full integrity.

The exhibition rooms of the main building and the entrance hall are retained and linked to the new building with a glass-fronted staircase overlooking a garden court. Behind is the space for packing and preparation conveniently placed to serve the old gallery and the new wing.

The new wing consists of a large exhibition hall over 200ft by 50ft set on piloti. The hall has controlled top lighting over the ceiling area, and two large side lights controlled with multiple louvres. This daylighting and the elaborate artificial lighting allow the different exhibits to be given the particular lighting most suited to their individual qualities.

Under the main exhibition hall is a lecture room for 450, a large ante-room and separate entrance and cloaks. This suite can be used for concerts and banquets as well as for lectures and stage performances. There is also a restaurant which, in the Swiss summer, spreads itself out over the pavement, adding an air of gaiety to the group.

Architect: Gebrüder Pfister.



1. Another part of the exhibition hall. 2. Entrance hall in the old building. 3. A detail of the multiple louvres seen on the facing page. 4. A garden court between old and new buildings





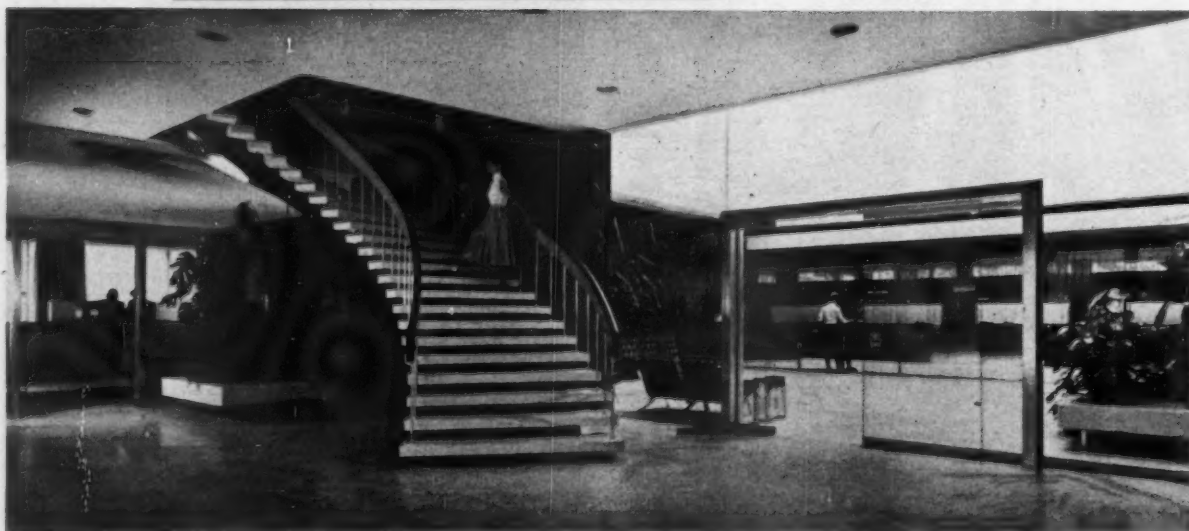
Above, south elevation of the Cantonal Bank. Architects: Leo Haffner and Alfons Wiederkehr. Below, the ante-room to safe deposit. Bottom, the entrance hall with a staircase leading to directors' rooms

A Bank at Zug



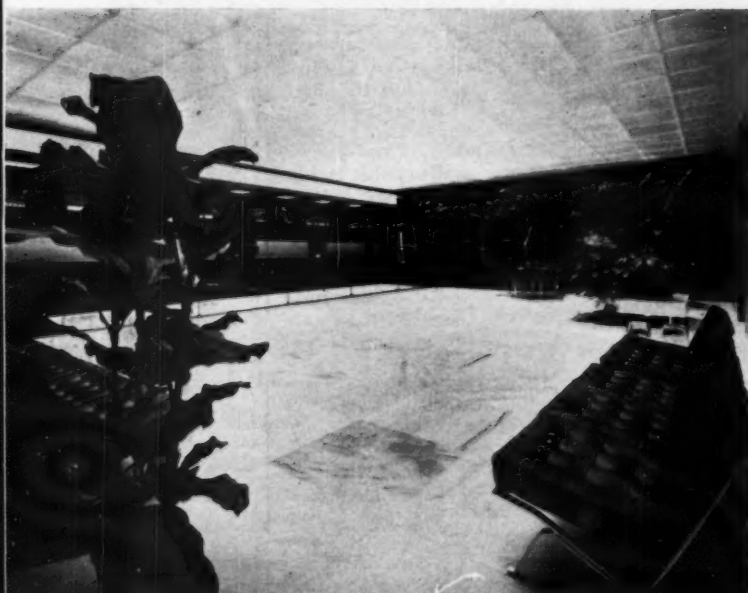
A COMPETITION for this building was held in 1949. There are three main elements in the scheme: the bank with its subsidiary offices in the upper floors; lettable office space which occupies about half of each of the upper floors; and three flats on the top floor. The site is a prominent one in the centre of Zug, a small town between Zürich and Lucern.

External walls are faced with white marble, contrasted with black glass in the windows. Window elements are prefabricated in storey heights and include double-glazed centre-hung lights, with built-in venetian blinds and air-conditioning ducts fed from a main ring duct which runs all round the building inside the roof balustrade.

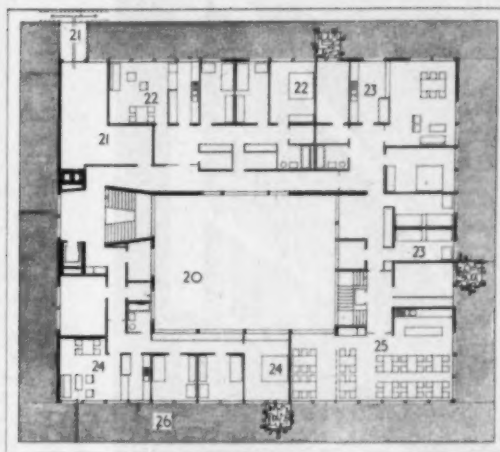




Above, the west elevation. Below, the banking hall in white and black marble and black leather upholstery. Bottom, one of the general offices



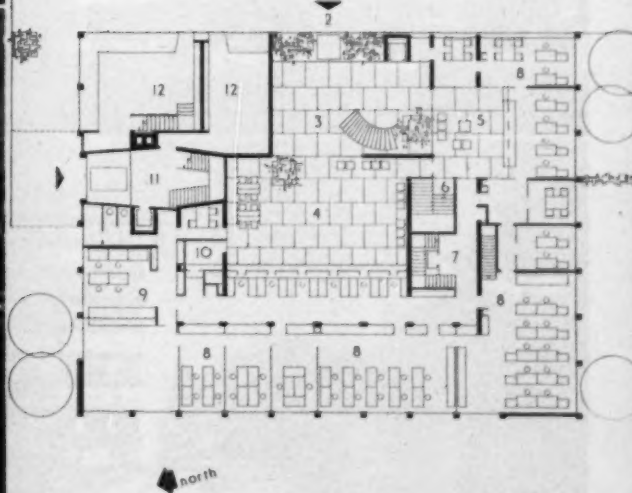
TOP FLOOR PLAN



KEY: GROUND FLOOR: 1. Arcade. 2. Main Entrance. 3. Entrance Hall. 4. Banking Hall. 5. Securities Hall. 6. Stairs to Safes. 7. Stairs and Lift. 8. Offices. 9. Savings Bank. 10. Cubicle and Telephone. 11. Tenants' Entrance. 12. Shops. FIRST FLOOR: 13. Hall. 14. Reception. 15. Director. 16. Interviews. 17. Vice-Director. 18. Offices. 19. Lettable Office Space. 20. Light Well. TOP FLOOR: 21. Air Conditioning. 22-24. Self-contained Flats. 25. Staff Canteen. 26. Roof Terrace.



GROUND FLOOR ▼ FIRST FLOOR ▲
SCALE: 1:500



Office Buildings

IN the centre of Basel and Zürich are a number of new office buildings. The most noticeable thing is their strong individuality, achieved by the overall elevational treatment and general proportion of the fenestration, and by the very careful detailing of the basic window unit—a three-dimensional study with special care given to the texture and colour of materials. A wide variety of facing materials is used, again carefully detailed, in what we might regard as an expensive way of giving an overall effect of restrained lushness. It seems likely that most of these new buildings will continue to look fresh and sumptuous for many years to come.

Lessons have been learnt from earlier mistakes. Two of the Swiss masterpieces of the thirties—Salvisberg's curved office block in the Bleicherweg, in the central area of Zürich, and the nearby Congress Hall (one of the spiritual forerunners of the Royal Festival Hall)—now look

rather dowdy in places, possibly due to the external use of Travertine which picks up the dirt even in the clean Swiss air.

Many of the interesting office buildings in Zürich are within short walking distance of the Central Station, in the area between the River Sihl and the Lake and River Limmat. Most of them have had to conform to a uniform street height of six storeys, but the occasional tall block has been allowed because of its strategic position in relation to the road structure or some future planning concept. The building in the Basteiplatz, for example, is sited in relation to a future pedestrian parkway, planned along the banks of the Schanzengraben, which zig-zags through the central area along the line of the old moat round the city walls. This building gains considerably from the way in which its overall massing and design has been related to the possibilities of the site.

Whitewashed concrete poured with horizontal random width shuttering (4in to 8in wide) is used for the end walls of this building. This treatment, used either horizontally or vertically, is now fairly common and is highly effective in the clear, bright sunlight, contrasting well with richer facings of marble, black and coloured glass, terrazzo, and stove enamelled metal. All-glass fronts are not common but, as in the PAA-PKZ building, they are treated usually with a greater depth of modelling and deeper frames than over here.

Architect for Waltisbühl: Rudolf Zürcher. Architect for building in Basteiplatz: Werner Stuecheli.

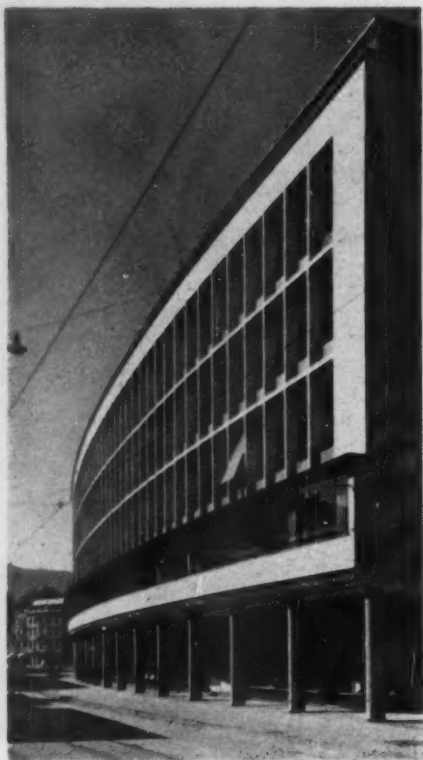
Point Block at Biel

This 14-storey residential block overlooks the Central Park at Biel. Layout and planning takes the fullest advantage of the situation, and flats and park are treated as one piece of design. There are five flats to a floor, varying in size from two to four rooms, larger flats being placed on the south side overlooking the park.

With one exception, all the kitchens, bathrooms and w.c.s are internal with artificial ventilation.

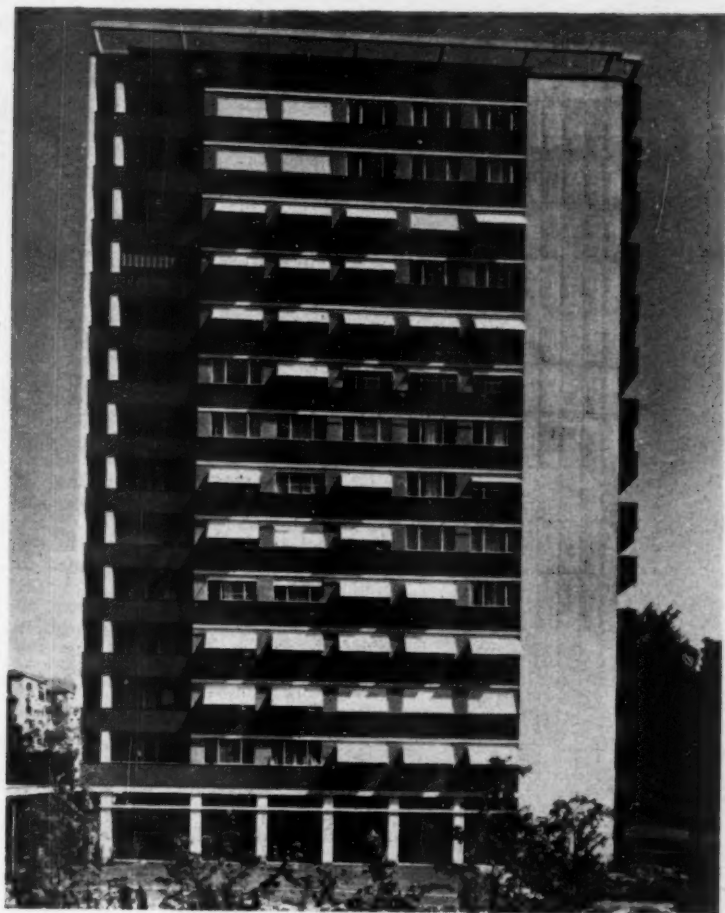
Construction is reinforced concrete on piles. Special care has been taken with the shuttering to give an all-over pattern and the concrete is painted white and grey. Windows are in wood; venetian blinds and sunblinds to all balconies. Ceiling heating is used. The total cost was about 665 a square foot.

Architects: Hans and Gret Reinhard.

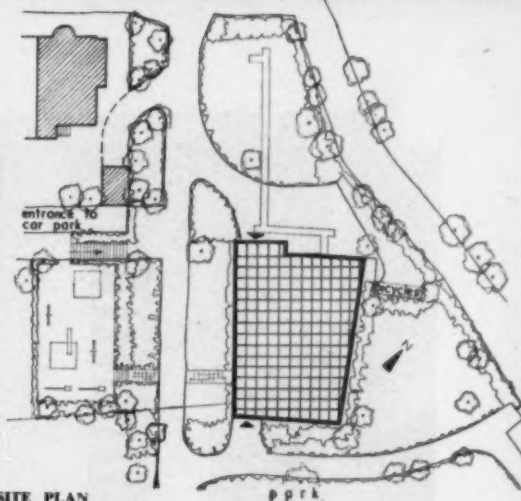


Above, offices in the Bleicherweg. Architect: Professor R. Salvisberg. Below, the "Waltisbühl" building. Bottom, building in the Basteiplatz



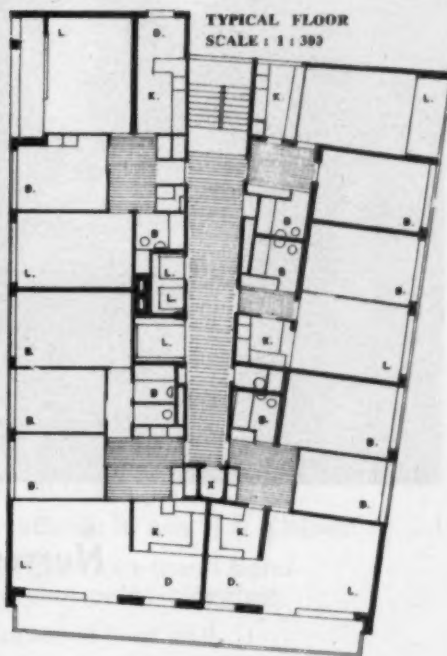


Point Block at Biel

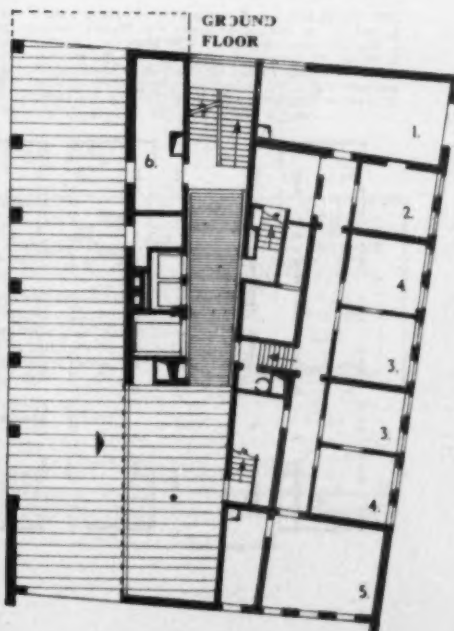


SITE PLAN

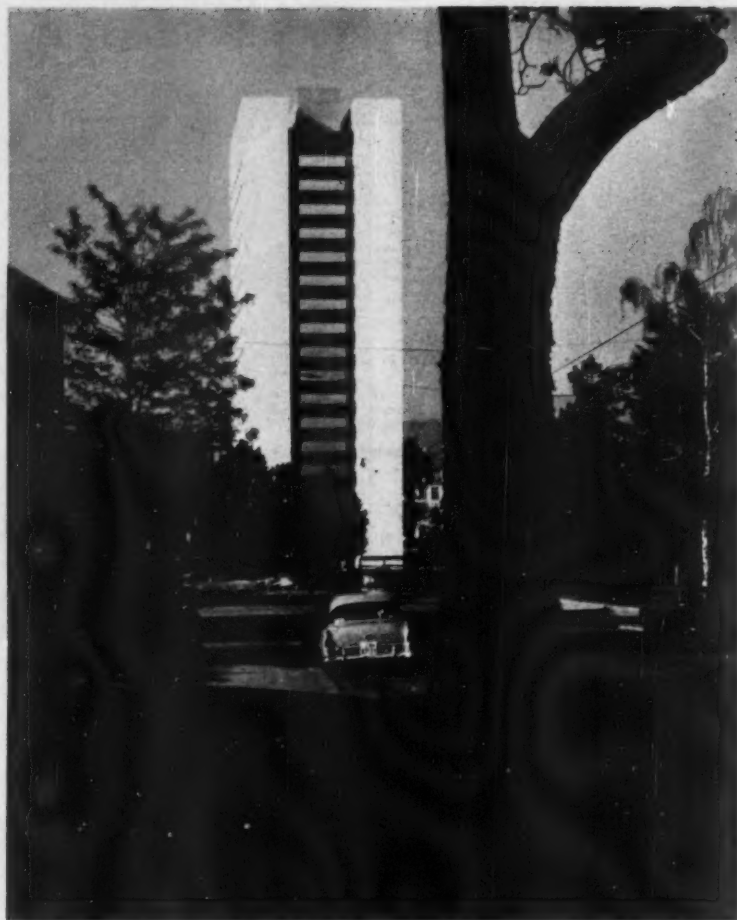
KEY: L—Living Room, D—Din'g Room, B—Bedroom or Bathroom, K—Kitchen, L—Lift, X—Shaft with emergency stairs.



TYPICAL FLOOR
SCALE: 1:300



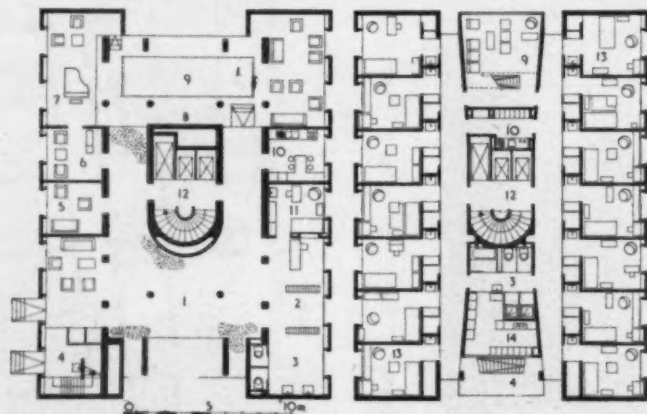
GROUND FLOOR



Nurses' Home, Zürich

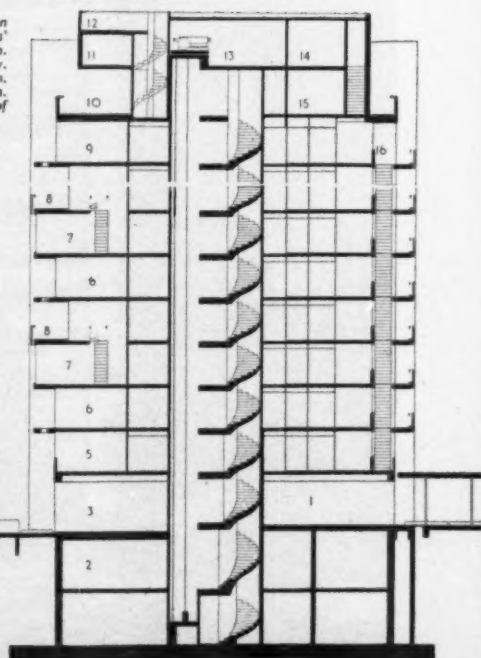
KEY TO PLANS: 1. Entrance hall. 2. Letter boxes. 3. Toilets. 4. Fire escape stairs. 5. Visitors' room. 6. Visitors' room and library. 7. Stage for concerts. 8. Mural. 9. Nurses' sitting room. 10. Tea kitchen. 11. Home Sisters' office. 12. Goods and passenger lifts and main stairs. 13. Nurses' bed-sitting rooms, showing different arrangements of furniture. 14. Cleaners' room.

KEY TO SECTION: 1. Entrance hall. 2. Ventilation plant, transformers and air-raid shelters. 3. Nurses' sitting room. 4. Garden terrace. 5. Music practice room. 6. Sewing room. 7. Nurses' sitting room. 8. Sun balcony. 9. Hobbies room. 10. Sun bathing terrace. 11. Ventilation. 12. Lookout terrace with views over the whole of Zürich. 13. Lift motor room. 14. Shower bath. 15. Hall to roof garden. 16. Fire escape stair.



GROUND FLOOR AND TYPICAL UPPER FLOOR PLANS

BROKEN SECTION



THE Cantonal Hospital at Zürich was built on a hillside overlooking the city between 1943 and 1953. In 1952 a competition was held for a new nurses' home to serve it. The winning scheme took the form of a high block which had the advantage of contrasting well with the long, low blocks of the hospital and of giving wonderful views over Zürich and the lake. It also made the best use of a comparatively restricted site and gave a good sub-division of rooms into small groups.

There are 237 single nurses' rooms, 14 to a floor. The social group is three floors which share a south-facing recreational unit consisting of sitting room and gallery, sun terrace and sewing and ironing room.

Decoration and furnishings in the nurses' rooms have been designed to allow the nurses to arrange the rooms themselves. The 14 rooms on each floor have different furnishing fabrics and colours. This and the short corridors has succeeded in banishing almost entirely the usual institutional effect of a nurses' home.

The building is framed in reinforced concrete with the white cement concrete cast in random width shuttering. Under-window panels are faced in special, dark-grey asbestos panels. Aluminium bands run in front of the windows to give the nurses a feeling of security. There is an extensive roof garden.








Just over 170ft high in 18 storeys, the building is visible from all over Zürich, being twice as high as any other recent building.

Architect: Jakob Zweifel.



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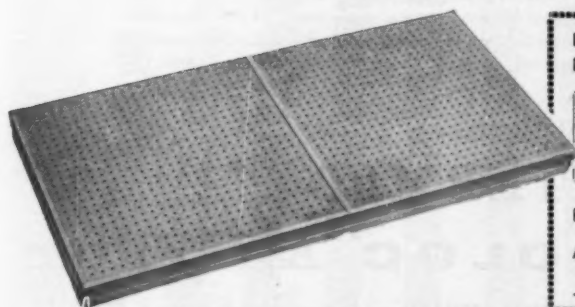
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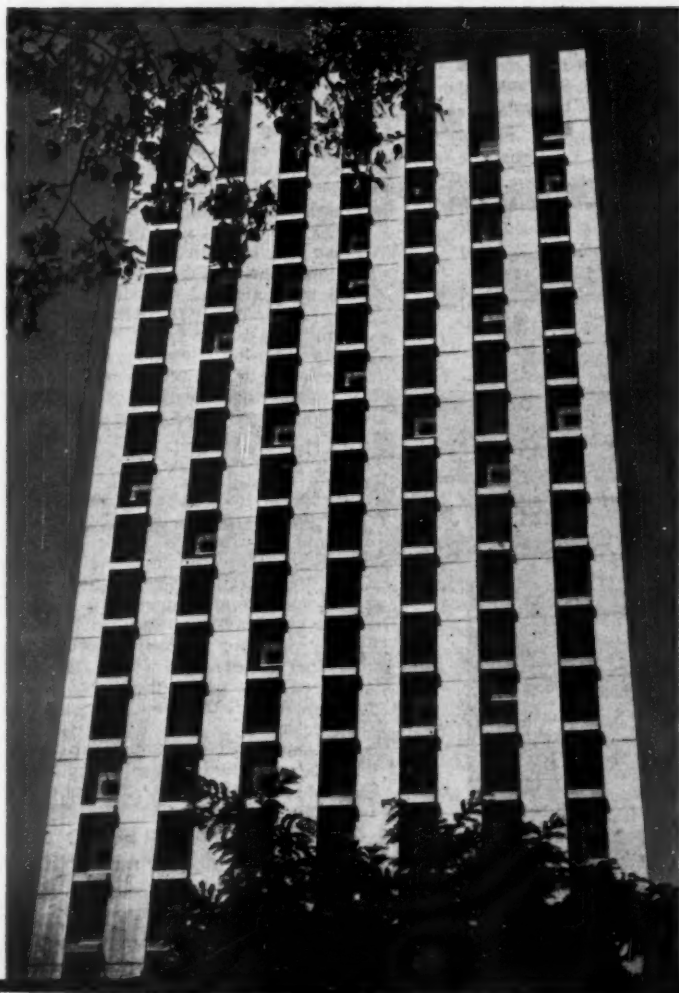
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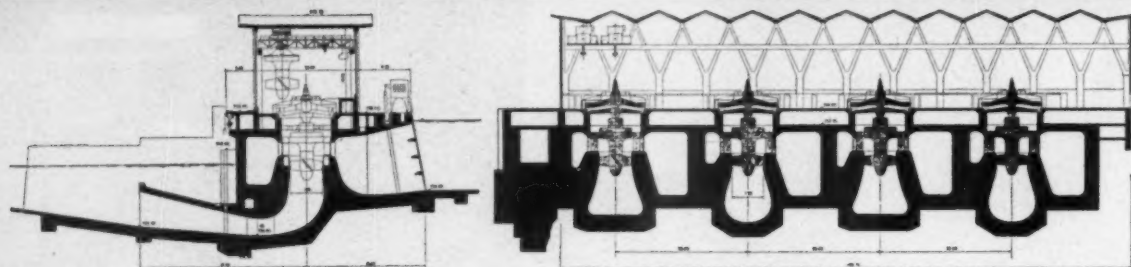
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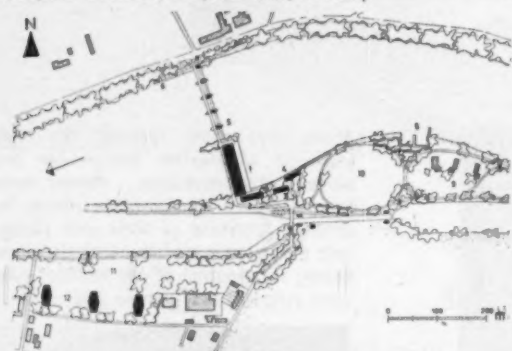
Above, two shots showing the high standard of interior design for the nurses' accommodation. Rooms have been designed to allow the nurses to arrange furniture to their own liking. Left, the strongly modelled east elevation. Below, termination of the vertical concrete strips at roof garden level



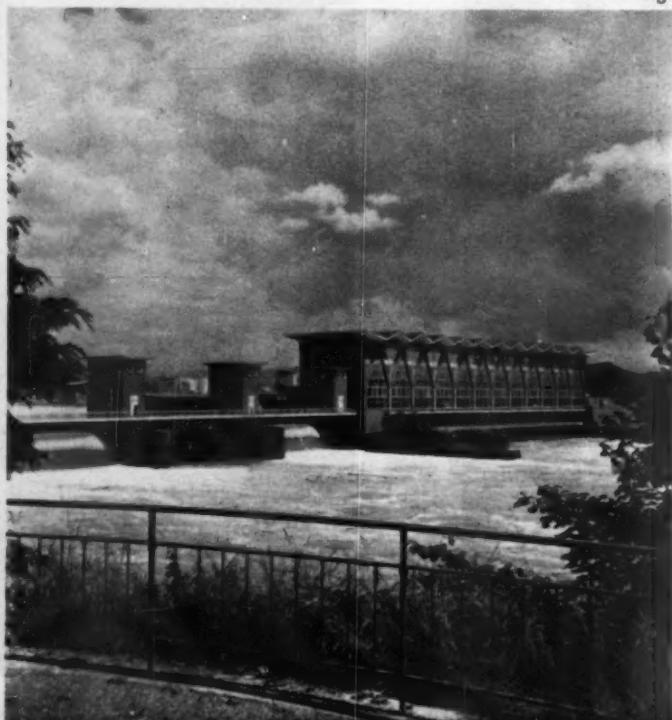


SECTIONS THROUGH POWER HOUSE

KEY: 1. The Power House. 2, 3, and 4. Service buildings, switch room, pump house and garage. 5. The barrage dam. This is also floodlit. 6. Fish staircase. 7. Dock house. 8. Depot for floating crane. 9. Clubhouses for travellers by water. 10, 11. Landscaped areas including the whole of the island and a strip 40 metres along the waterfront. 12. Three 17-storey residential point blocks.



The Power House (below), has a reinforced concrete lattice frame and shell concrete roof. Access to a viewing gallery is by a footbridge across the Rhine. The whole structure is floodlit at night



Power Station at Basel

AT Basel a new dam and ships' lock has been built across the River Rhine to supply water power for a generating station. The station itself is very well designed in a strongly regional and quite unmistakably Swiss style, but what is even more interesting is the way in which its layout and the very extensive area of land round it, including the locks, has been laid out to form a regional open space linking the two sides of the river and the surrounding hills into one piece of landscape.

On the north side the planting is being carried along the river bank to link with the existing Solitude Park and the delightful riverside offices of the Hoffmann Laroche chemical factory. On the other side a large new housing estate has been redesigned to an open plan with three tall slab blocks instead of the lower blocks which would have covered the site and cut off views of the river.

No building is being allowed between the tall blocks, and the architects have even gone to the expense of putting all the garages underground so that the whole site will have an uninterrupted sweep of grass and trees right down to the river. This vast group planned on a regional scale is something new in Switzerland. It is an interesting speculation whether its example will be followed in a country where the rights of the individual are so important and so respected.

Architect: Hans Hoffmann, B.S.A.
Landscape: Richart Arioli. Engineers: A. Aegerter and Dr. O. Bosshard.

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SMALL ANTHRACITE	£12 per ton	—	14/1d
GAS	1/4d therm plus, say, 2/8d week standing charge	16/1d	25/6d
ELECTRICITY	1d unit (No standing charge included)	18/2d	29/10d
OIL	1/5½d gallon	12/10d	22/8d

TOWN AND COUNTRY PLANNING ACT, 1959—2

A NEW COMPENSATION CODE

By F. H. B. LAYFIELD

This is the second article on the 1959 Town and Country Planning Act. The previous article appeared in the A & BN, 26 August

COMPULSORY purchase of land, or the threat of it, touches practically every architect and builder in the end. The procedure involved and the price likely to be paid on such a purchase affect the actions and plans of most local authorities. Hence the new code for compulsory purchase payments is of considerable importance.

The *Town and Country Planning Act, 1959*, introduces a new code of compensation to be paid whenever land is compulsorily acquired by a public authority as a result of a notice to treat served on the owner after October 29, 1959. To understand the new provisions it is helpful to glance back briefly at earlier legislation. The starting point should be the arrangements made in 1919 by the Acquisition of Land (Assessment of Compensation) Act, passed in that year. That Act set out a number of rules intended to govern the assessment of compensation. In general terms, the effect of those rules was that the price to be paid for land compulsorily purchased was to consist of two elements. In the first place, the *market value* of the land was to be paid. By market value was meant the price the land could be expected to fetch if sold in the open market by a willing seller; no account was to be taken of the fact that the purchase was compulsory. Secondly, the payment of the market price was not to prejudice the payment of a proper sum for *disturbance* caused by the acquisition of land.

These rules specified certain limitations on the value to be paid, mostly of an obvious kind. Various factors were to be ignored in the assessment, namely, the value of a use of the land which could only be carried on contrary to law, or which could be restrained by a court, or which would be detrimental to public health or to the health of those living on the land. No account was to be taken of the suitability of the land for a use which either could only be carried on in pursuance of statutory powers or for which there was no market apart from the needs of a Government department or local or public authority. Finally, the rules provided that in certain special cases compensation was to be assessed on the basis of reinstatement.

These rules remained the basis for assessing compensation until the advent of the *Town and Country Planning Act, 1947* (save for a temporary "freeze" in market values brought about by the *Town and Country Planning Act, 1944*). The 1947 Act took away from owners all the development rights in land, leaving them only with the right to carry on the *existing use* of their land. Therefore, when land was thereafter compulsorily acquired only the existing use value could be claimed. To compensate owners for the loss of their development rights they were to claim on a £300 million fund for the amount they had lost. Many such claims were duly made, assessed and agreed, but they were never paid.

Before any payment out of the fund was made the *Town and Country Planning Act, 1953*, abolished it and returned to owners that for which they were to be compensated, namely, their development rights in land. This measure was closely followed by the *Town and Country Planning Act, 1954*, which provided a new code for the assessment of compensation. It might be thought that in the circumstances the 1954 Act would return to the 1919 basis, as owners now had their full rights in their possession again and therefore would lose them if compulsory acquisition occurred. But this was not so. The 1954 Act provided for two sums to be paid on compulsory purchase. In the first place, the existing use value was to be paid

and in the second a sum to cover the loss of development value up to a maximum of any claim established on the £300 million fund. There were numerous defects in this scheme, all of which were pointed out at the time of its enactment. The £300 million fund claims were made on the basis of 1948 values and hence were already much out of date by 1954 as a result of inflation. Many people had not made a claim on the fund at all. In many cases development rights in land in 1948 had been negligible, whereas by 1954 or later they had become valuable. On the other hand, land, valuable in 1948, had sometimes become less valuable by 1954.

The 1954 provisions gave rise to the two-price system, one price for the open market and another for compulsory purchase. This system could plainly not long survive and by 1958 its fate, always obvious, was finally sealed. The new 1959 Act abolishes the 1954 compensation provisions and the vestigial remains of the 1947 Act as regards compensation for compulsory purchase.

The new Act has as its main object reversion to the rules of the 1919 Act, already mentioned and these rules will operate in the case of all purchases made as a result of a notice to treat served after October 29, 1959. Unfortunately, the matter cannot be left in so simple a state. Since 1919 a new and important factor has appeared in land values; the possibility of obtaining planning permission for any given form of development is often a matter of great importance and value. Just as in private sales this factor must be considered, so the Act requires that regard must be paid to the chances of obtaining planning permission for development of the acquired land.

The 1959 Act treats this difficult problem by providing that certain assumptions are to be made about the likely grant of planning permission in respect of land to be acquired. Ignoring certain special exceptions, these assumptions are six. Before considering them, however, it is important to recall, first of all, that market value account will include the value of any development which can be carried out *without the grant of planning permission* at all; on occasions this may be a point of some importance. Similarly, the value of any existing planning permission will also be included in the purchase price since that permission could only be rescinded on payment of compensation.

1. The Existing Use of Land

It will be remembered that under the 1947 Act certain types of development were regarded as being part and parcel of the existing use of the land. These forms of development were set out in the Third Schedule to the 1947 Act. It is now to be assumed that planning permission would be granted in respect of the relevant land (namely, the land to be compulsorily acquired) for any class of development set out in the Third Schedule to the 1947 Act. There are two rather obvious exceptions; this assumption is not to be made where

(a) such permission has *actually* been refused and compensation paid under Section 20 of the 1947 Act, otherwise, of course, the owner would be paid twice over;

(b) such permission has been granted but subject to conditions and compensation for their imposition has been paid, for once again the owner would be compensated twice over;

The third exception which obviates this first assumption arises where action has been taken under Section 26 of

A New Compensation Code

the 1947 Act. That Section allows local authorities to require, by order, the discontinuance of a use or remove a building on payment of compensation. Where that has been done, naturally it is not to be assumed that permission would be granted to resume that use or to rebuild the building.

2. Planning Permission for the Development Proposed

When the purpose for which the land is to be acquired involves development, and there is not already in force a planning consent for that development, it is to be assumed that planning permission for that development would be granted. So that if the authority acquire agricultural land on which to build shops then in assessing the value of the land it is to be assumed that planning permission to build shops would have been granted to the owner. The permission to be assumed is to be exactly in accordance with the proposals of the acquiring authority and so no question as to the imposition of conditions arises.

3. Uses Defined in a Development Plan

Where the relevant land or any part of it is defined in the development plan as the site of proposed development then it is to be assumed that planning permission would be granted for that development (provided that the land is not part of a comprehensive development area). There are two additional matters to be borne in mind here. If any conditions might reasonably have been expected to be imposed by the local planning authority on the grant of planning permission then these are to be assumed also. More specifically, if any map or statement in the development plan indicates that the permission would only be granted at a future time then it is to be assumed that the permission would only be granted at that time.

4. General Zoning in a Development Plan

Where the relevant land or any part of it is shown as allocated in the development plan primarily for a specified use, i.e., zoned primarily for residential purposes, then it is to be assumed that planning permission would be granted for that specified use provided that such permission might reasonably have been expected to be granted if the acquisition proposals had not arisen.

Sometimes the zoning is not merely for one dominant use but for a range of two or more uses and where the relevant land is so zoned similar arrangements apply to those just mentioned. In such cases it is to be assumed that planning permission would be granted for any one of the range of uses. Again this is subject to the proviso that such development might reasonably have been expected to be granted if the acquisition proposals had not occurred.

In both these last two instances of zoning, the land must not form part of a comprehensive development area. In each case also any conditions that might have reasonably been expected to be imposed are to be assumed, and if the plan shows that permission would not have been granted until some future date then it is to be assumed that permission would only be granted at that date.

5. Comprehensive Development Areas

When an area is defined in a development plan as one for comprehensive development, a range of uses for which the area is intended to be redeveloped is usually stated or indicated. Where the relevant land or part of it forms part of such an area it is to be assumed that planning permission would have been granted for the relevant part for any one of the planned range of uses which might reasonably have been expected to be granted in certain

conditions. These conditions are, it must be assumed, that

- (a) the acquisition proposals had not arisen, and
- (b) the area had not in fact been defined as an area of comprehensive development and no particular proposals had been made for the land in the area in the plan, and
- (c) that if at the date of the service of the notice to treat land in the area has already been developed in accordance with the plan, then it must be assumed that such development had not occurred at or before that time. The assumed planning permission is once again to be subject to such conditions as might reasonably have been expected and to deferment if the plan so provides. These provisions relating to comprehensive development areas are likely to prove among the most difficult in the new Act.

6. Alternative Forms of Development

The assumptions already listed and the effect of existing permissions will dispose of many cases. But sometimes where the land is not in a comprehensive development area or in an area allocated in the development plan primarily for use for residential, commercial or industrial purposes, problems may arise in deciding what permission would have been granted. Where such circumstances exist a new certificate procedure may be invoked. Either the owner or the acquiring authority may apply to the local planning authority for the issue of a certificate. This application may be made at any time after the initial notification of a compulsory purchase intention or of an offer to purchase by agreement; it must be in writing and include a map or plan of the land concerned. The applicant must state what forms of development he considers appropriate for the land.

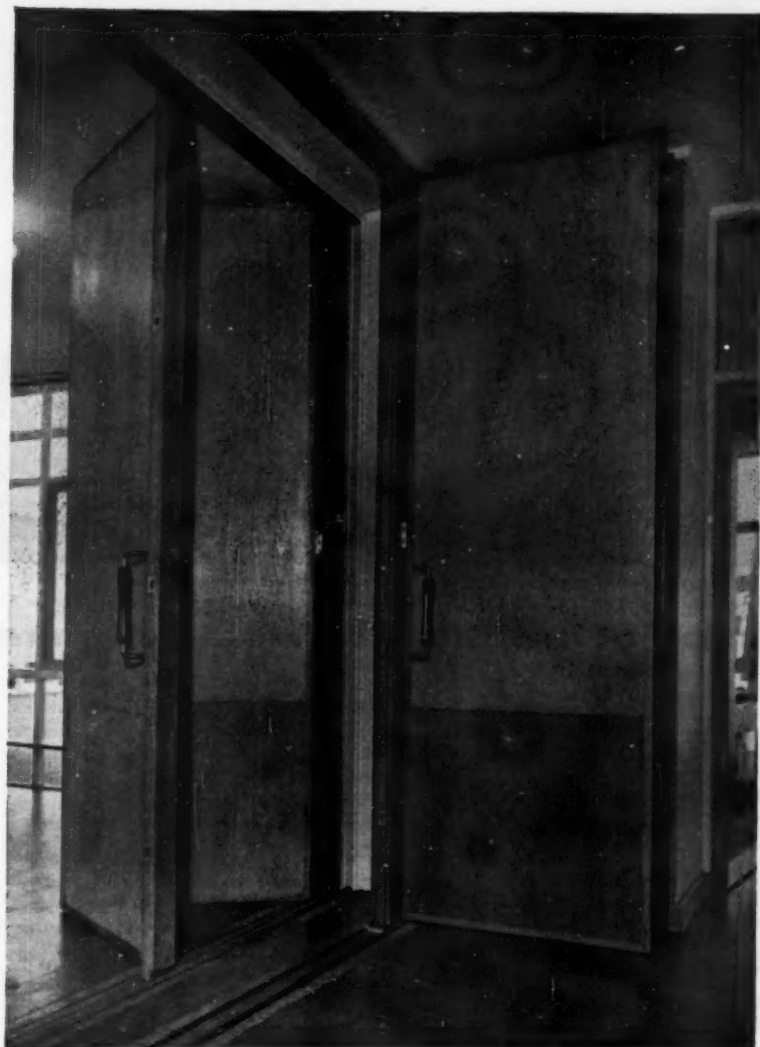
The local planning authority are then required, within two months of receiving the application, to issue a certificate in which they must state the forms of development, if any, for which they consider planning permission might reasonably have been expected to have been granted had the land not been the subject of purchase proceedings. The local planning authority are not confined in their certificate to the uses specified in the application but if they disagree with the applicant they must state their reasons for doing so, and are to point out the rights of appeal mentioned below. The authority are not to reject any particular kind of development solely because that development would not accord with the provisions of the development plan. If the authority consider that permission would only have been granted subject to conditions, or at a later date, they are to specify the conditions or the date as the case may be.

If the local planning authority fail to issue the certificate within the proper time, or if either the owner of the land in question or the acquiring authority are not satisfied with its terms, then either party may appeal to the Minister. The Minister must allow the local planning authority, the owner or the acquiring authority an opportunity to be heard by a person appointed by him. When the Minister comes to consider the matter he is to assume that the application had been made to him in the first place and he must confirm, vary or cancel the certificate or issue a different certificate in its place as he thinks fit. When such an appeal is made the form of notice and the time in which it is to be given are to be prescribed by the Minister.

Additional Compensation

The second of the assumptions set out above presupposes that the acquiring authority, having purchased land for a particular purpose, will use it for that purpose. Yet an authority may purchase land for, say, housing, paying a price based on that use, and then change its mind and use the site for shops. As the latter is a more valuable use the erstwhile owner might well feel that he had been defrauded of part of his proper compensation. On the other hand it was felt, when the Act was passing through Parliament, that questions of compensation could not be left open too long after a purchase has been made.

The Act therefore allows an owner of land compulsorily



Noise politely shown the door

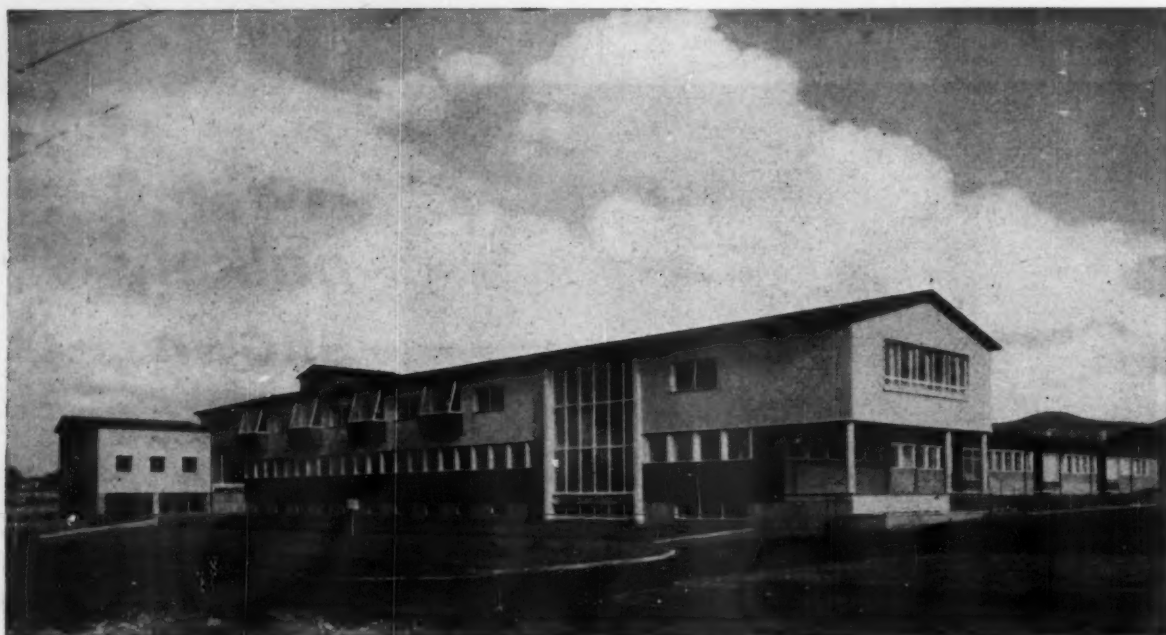
At Amersham School, these newly-installed Esavian screens shut out noise neatly and effortlessly. They have a sound-absorbent interior face and, on the outside, are finished flush with polished plywood. Vertical and horizontal seals and their internal construction provide a high degree of sound deadening. A reversible cill gives a perfectly flush floor when the screens are folded back. Top marks.

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SIGHTHILL HEALTH CENTRE — designed by the Department of Health for Scotland.

Electric floor warming at the Sighthill Health Centre

Fully controlled warmth

Sighthill was designed as an Experimental Centre under the National Health Service Act. The building forms a hollow square round a central courtyard. The north wing holds administrative departments on the ground floor and dental theatres on the first floor. The south wing houses the joint services departments. The east wing comprises child welfare services and the west wing is divided into six medical suites.

The building is heated by electric low temperature underfloor radiant heating. This is thermostatically controlled and designed to maintain against an outside temperature of 25°F. the following inside temperatures: surgeries, recovery and X-ray rooms 70°F.; passages and lavatories 60°F.; kitchen 52°F.; other rooms 65°F. Electrical intake is "off peak" and available between 7 p.m. and 7 a.m., and 11 a.m. and 3 p.m.

Loadings

Total loading amounts to 262 kW and is designed for off-peak operation. This load comprises 232 kW embedded in the concrete floors and 30 kW in concealed wall panels. The total floor area of the building is 35,000 sq. ft.

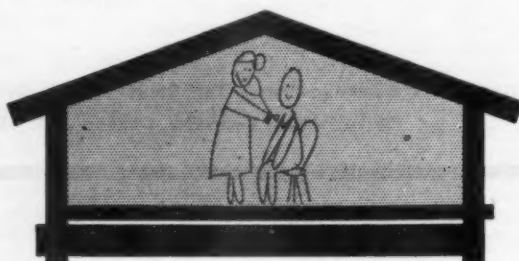
A variety of floor finishes tested

Floor finishes laid were: wood block, cork tile, thermoplastic, mastic asphalt, Caithness stone slabs and terrazzo. All these have given very satisfactory service under heated floor conditions.

Results

The installation has been running for over five years and the average annual consumption for floor warming purposes is 418,960 units costing £1,400.

Thermograph records were taken during the winter 1955/56. These show that when, in February 1956, the mean daily outside temperature was 22.6°F., the maximum drop in inside temperature during the cut-off period was only 2.6°F. Even under these extreme conditions the internal air temperature did not fall below 60°F.



A New Compensation Code

acquired, a limited right to additional compensation *after* the price has been initially settled and paid. This right will arise, both on compulsory acquisition and on purchase by agreement in circumstances corresponding to such an acquisition, if *within 5 years* of the completion of the acquisition planning permission is granted for the carrying out of *additional development*. By "additional development" is meant development other than that for which planning permission was in force or assumed to be in force at the time of the purchase. The amount of additional compensation that may be claimed is the difference between the original value of the land and its value with the benefit of the additional planning permission.

There are, however, certain special exceptions to this right to additional compensation. Such compensation will not be payable, even if the necessary conditions are fulfilled, if the relevant land is

(a) shown in the development plan (at the time of the service of the notice to treat) as part of a *comprehensive development area*, or as part of an *area of town development* since acquired by a local authority, or

(b) within the *designated area* of a New Town and acquired by the development corporation or bought under a *notice served by the owner* on the Corporation under Section 6 of the *New Towns Act, 1946*.

When land is compulsorily acquired the owner or anyone claiming under him may give the acquiring authority an *address for service* on him of notice of any planning decision, allowing additional development. Where this is done the acquiring authority must give such notice. When the owner has received notice of the decision he has six months from the date of the *service* of the notice on him in which to make his additional claim; if, however, the owner or claimant has not given an address for service of the notice, then the six months in which he must make his claim runs from the date of the *decision*. In each case, if there is an appeal against refusal of permission then references to the decision mean the decision made on the appeal.

Sometimes, of course, additional development may become possible not by means of an express grant of permission but because it is development deemed to be granted by a development order or by a direction. In such cases it is still the duty of the acquiring authority to give notice to the owner if he has given an address for service and the notice must be served either when the authority proposes to carry out the development or when the proposal to develop has itself been notified to the acquiring authority.

Special arrangements regarding the assessment of additional compensation are made where the original compensation included payment for disturbance, severance or injurious affection. These are somewhat elaborate and are set out in the Third Schedule to 1959 Act. Broadly speaking, where the claimant once owned other land, affected by the original acquisition but not actually acquired, and has since parted with the whole or part of that other land, regard is to be had when assessing the additional compensation payable to the position actually subsisting at the date of the additional permission.

Additional Valuation Rules

It has been observed above that the 1959 Act marks a return to the 1919 Valuation rules. Two major sets of adjustments have had to be made in the application of these rules to take account of the existence of town and country planning law. The first set of adjustments have been outlined above and aim at producing an estimate of what reasonable chances there would have been of obtaining planning permission to develop the land. The second set of adjustments are intended, broadly speaking, to prevent the owner of land acquired being paid an

increment in value which has occurred principally because of an official planning scheme and of the expenditure of public money thereon. It was, no doubt, feared that if this was not done such planning schemes would become prohibitively expensive. Accordingly, the rules mentioned below are now to be added to the 1919 rules, but these additional rules apply only to the assessment of the purchase price and *not* to the assessment of compensation for severance or injurious affection.

The Acquisition Scheme

When the land to be purchased forms part of a development scheme no account is to be taken of any change in the value of the acquired land due to the development scheme for the other land, whether the scheme has already been carried out or not. Of course, if it can be shown that the development concerned would have occurred irrespective of the scheme then that consideration is *not* excluded.

As with comprehensive development areas so with designated areas of New Towns. Where at the date of the service of the notice to treat the land in question forms part of a designated area then the development of that area, other than the land in question, in the course of building the New Town is to be ignored.

Where the land to be acquired forms part of a comprehensive development area, then the execution of the comprehensive scheme on land other than that to be acquired, whether actual or prospective, is to be disregarded unless similar development would have occurred irrespective of the scheme.

When the land concerned forms part of an area defined in a development plan, at the time of the service of the notice to treat as an area of town development, then the development in pursuance of the town development proposals on land other than that to be acquired is to be ignored. In both this and the preceding case it is open to the owner of the land to be purchased to claim that such development would have occurred irrespective of the schemes in question, but this is likely to be more difficult than in earlier instances.

Set-off for Adjacent Land

Often the owner of land to be acquired also owns adjacent land. If he owns such adjacent land *in the same capacity* as he holds the acquired land then he may be liable to *set-off*. If the adjacent land increases in value because one of the schemes just mentioned is or may be carried out then that increase is to be deducted from the compensation otherwise payable for the land acquired. In other words the increase in value is set-off against the compensation he could otherwise claim.

Compensating provisions are made should the adjacent land itself be later acquired and adjustments are made in the assumptions required to be made by the Act to see that the owner is not injured by reason of the fact that the plots were taken individually.

Losses Due to Designation

It is now provided that no account is to be taken of any depreciation of the land in question which is attributable to the fact that an indication has been given that the land is to be acquired. This is specifically extended to embrace depreciation caused by designation or allocation in a development plan or other particulars given in the plan "or by any other means".

In an earlier article changes in planning application procedure brought about by the 1959 Act were reviewed. Here the main changes in compensation for compulsory purchase have been mentioned. It should be noted that the provisions set out above do *not* affect compensation for refusal of planning permission. The new Act makes special provision for the acquisition of unfit houses and also makes new arrangements in regard to inquiries, enforcement orders and other miscellaneous matters which will be considered in the final article.

Industrial Notes

● Sir Peter Roberts, chairman of Newton Chambers & Co. Ltd., was the guest of honour yesterday at the opening session of this year's Gas Sales and Service Conference at Harrogate. The conference, run by the Gas Council, closes today. Several of his company's heating appliances are on show at the exhibition.

● Mr. Arthur G. Davis, sales director of Edwin Showell & Sons Ltd., has retired after completing 50 years' service with the company.

● Mr. G. W. Glassborow, formerly sales director of Guildcrete Ltd. and Cedar Homes Ltd., of Artington, Guildford, Surrey, has been appointed deputy managing director. He will continue to act as sales director for the time being.

● The civil engineering division of Higgs & Hill Ltd. has commenced work on their new contract for the construction of the Slough-Maidenhead by-pass. This road will have two 24ft wide carriageways and will be 2.3 miles long. The construction of the road also entails three major and two minor bridges. The work is being carried out on behalf of the Buckinghamshire County Council and will be completed in 1961.

● Stothert & Pitt Ltd. have appointed Pannell (Plant) Ltd., of Torre Hill, Plymstock, Plymouth (telephone: Plymstock 2518/9) as agents for their contractors' plant department in the counties of Devon and Cornwall.

This agency offers servicing facilities, spares sales and the hire of plant as well as maintaining a close liaison with Stothert & Pitt's technical department.

● Mr. T. Furness, secretary and a director of Thomas Robinson & Son Ltd., engineers, of Rochdale, has been appointed a joint managing director of the company.

● Celcon Ltd. have appointed Mr. Eric R. R. Mengham as their general sales manager. Mr. Mengham was formerly deputy secretary of the National Housing and Town Planning Council and sales manager of Unity Structures Ltd.

● Brian D. Farmer has been appointed a director of S. W. Farmer & Sons Ltd., steel fabricators of Lewisham, London.

● Armstrong Cork Co. Ltd. have appointed Mr. W. J. Hardman, previously with Formica Ltd., as manager of their industrial plastics department. In addition, Mr. J. M. Brandon has joined the same department as a senior representative. He was formerly with I.C.I. Leathercloth Division.

● Mr. R. W. Ladbrooke has resigned his directorship of David Brown Construction Equipment Ltd. He will, in future, devote his full time to Arthur Bray Ltd., marine engineers, of Poole, Dorset, and Marine Power (Poole) Ltd., of which companies he is managing director.

● Sir Gilmour Jenkins, K.C.B., K.B.E., M.C., lately Permanent Secretary of the Ministry of Transport and Civil Aviation, has joined the board of G.K.N. Reinforcements Ltd., a member firm of the Guest Keen & Nettlefolds group of companies.

● Mr. John Denison, a structural engineer, with over 32 years experience in the design and planning of structural steelwork, has recently formed his own company. The company aims to provide architects and builders with a supplementary service to assist and advise them in their structural steelwork problems. The company is Denison French Ltd., with head office at 67 Chancery Lane, London, W.C.2 (telephone: Holborn 2587).

● Sealocrete Products Ltd. have recently made some changes affecting their staff of representatives. Mr. J. F. Taffurelli has taken over London (south of the Thames) and those parts of Kent and Surrey adjoining London. Mr. K. Ainsworth, of 13 Packington House, Stockwell Gardens West, London, S.W.9, has been appointed technical representative for the County of London (north of the Thames), except for east London. Mr. P. A. McManus, of 102 Inglethorpe Street, London, S.W.6 (telephone: Fulham 1628) is their technical representative for east London (north of the Thames), and that part of Essex adjoining London. Mr. F. C. A. Hovey, of 11 Park Court, Preston Park Avenue, Brighton, 6, has been appointed technical representative for Surrey, Sussex and Kent, in place of Mr. J. T. Morris, who has retired.

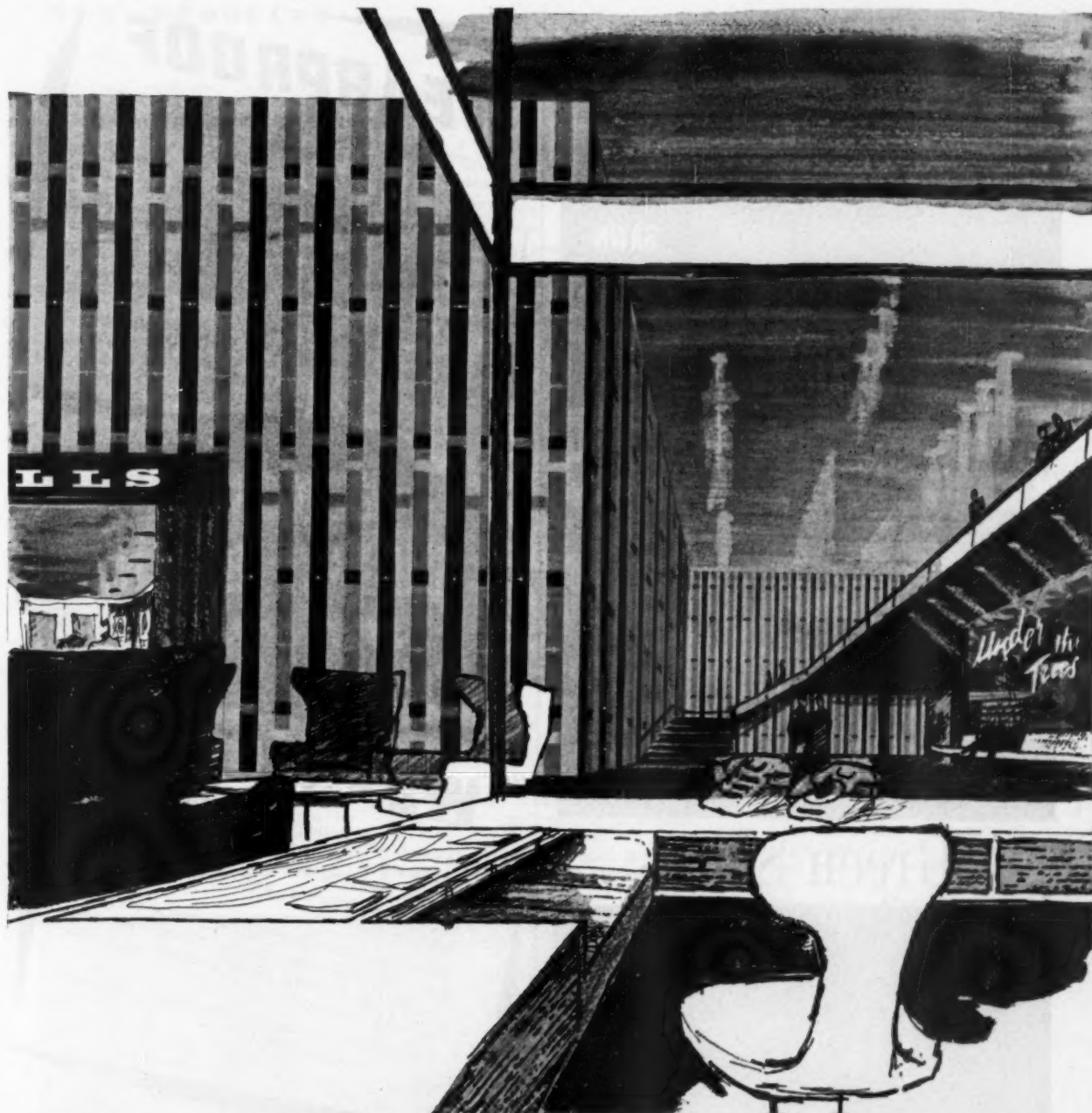
● A new wholly-owned subsidiary of the Armstrong Cork Co., known as Armstrong Cork International, S.A., has been formed and will have offices in Geneva, Switzerland. The new company will have responsibility for the sale of products of the parent company and British, Canadian and Spanish companies, in Europe, except in the countries where plants are located. Branches of the new Swiss company will be established in certain European centres, and the company will also have technical representatives in other countries. Mr. D. E. Sanderson has been appointed president and general manager, whilst the other directors are Messrs. H. P. Brechbuhl and H. Huguenin.

● Frank Mason & Co. Ltd. show a net profit of £51,668 for the year ended March 31, 1959, compared with the previous year's result of £22,689. A dividend of 7½ per cent less tax has been proposed on the ordinary shares.

● The Chloride Electrical Storage Co. Ltd. have paid an interim dividend of 5 per cent on their "A" and "B" ordinary stock for the year ending December 31, 1959.

The main feature of the stand of Phoenix Rubber Co. Ltd. at the recent International Plastics Exhibition at Olympia was the drum-shaped upper storey. It gave the impression of floating on top of the lower, rectangular-shaped storey with apparently little visible means of support. Designers: Miller & Tritton.





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The Architects' Department, formerly at 125, High Holborn, W.C.1, has been reopened in the Company's new London premises at 19/21, Mortimer Street, W.1. You are invited to visit our spacious showroom on the 1st Floor and to make use of the improved facilities of our special advisory service. Our artist George Freeman depicts Palladio Magna wallpaper "Directus" No. 44446.

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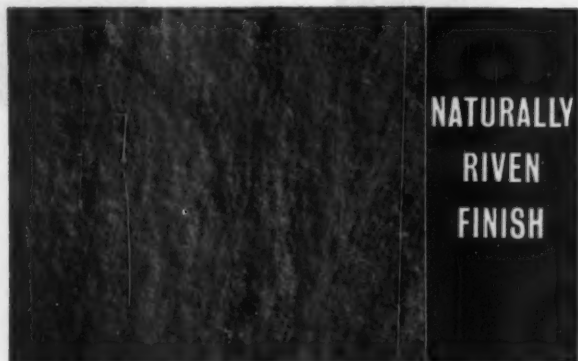
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NEW PRODUCTS

In this feature are reviewed new lines introduced to the building industry for the first time and additions or improvements to existing ones. Any advantages claimed for a product are from information supplied by the manufacturer

New Aluminium Roofing Sheets (A)

New aluminium roofing sheets have just been introduced by this American company. They incorporate a revolutionary lapping device known as the Rainlock (see lower right of illustration) and are primarily intended for agricultural usage. The new roofing has the V-channel over to the side instead of in the centre of the rib and this permits top-nailing, does away with sagging and bulging of the metal between purlins on the underside, and provides a tighter leak-proof joint. The Rainlock device is available on the company's heavy (-0215) gauge diamond embossed sheets and on their lighter (-019) gauge all-purpose, stucco-embossed sheets. They are supplied in 4ft 2in widths for easy 4ft coverage between purlins and in lengths ranging from 6ft to 16ft.

Reynolds Metals Co., Richmond 18, Virginia, U.S.A. Atlantic 2-2311.

Readers' Information Service, Ref. A. Date 7/10/59.



New Fixing Device For Colt Cowl (B)

By means of a new universal device, the standard Colt Cowl can now be simply adjusted to fit any size of domestic chimneypot or flue (including square and rectangular shapes)

having an internal diameter of between 6in and 10in. This device provides a two-way positive grip on the pot which, it is claimed, cannot be disturbed by gales. Four adjustable sleeve tongues grip firmly on to the inside of the pot, each tongue having a length of at least 5in which is held under spring tension against the side. This grip alone is stated to be sufficient to hold the pot tight and secure but, in addition, external fixing straps are provided which are wired tightly under the lip of the pot. The cowl cannot be fitted off-centre and size adjustment can be made at chimney-pot level, no tools being needed other than the equipment provided. Price: 59s 6d for flues from 4½in to 12in diameter; smaller sizes 39s 6d. Special cowls with extended sleeves can also be supplied.

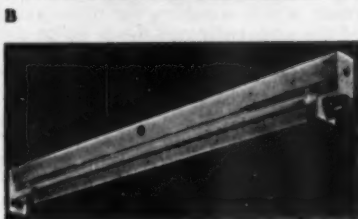
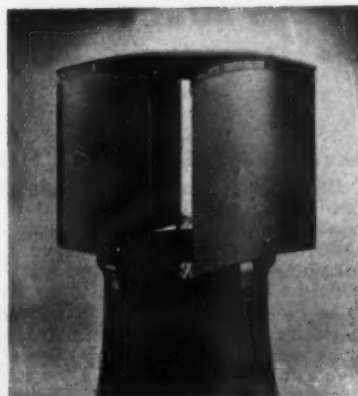
W. H. Colt (London) Ltd., Surbiton, Surrey. Elmbridge 0161.

Readers' Information Service, Ref. B. Date 7/10/59.



New Interior Lighting Fitting (C)

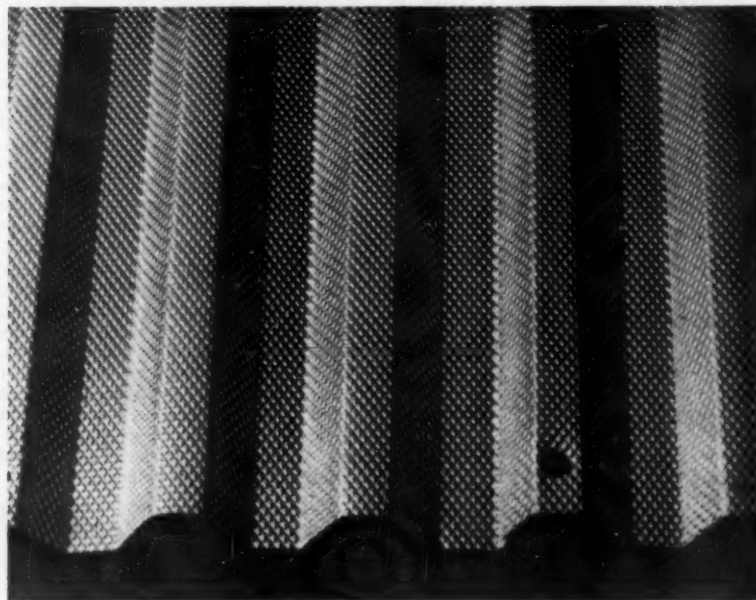
Vitalite is a new interior lighting fitting designed to give a continuous variation in light output consistent with natural daylight conditions. It is the result of research and development work into the problems of bore-



dom and fatigue set up by unrelieved monotony of lighting in offices which are sometimes completely cut off from natural outdoor lighting. The fundamental operating principles of Vitalite are simple. An aluminium reflector, mounted on bearings below the fluorescent tube in the fitting, is connected to a synchronous electric motor which turns the reflector through one revolution every hour. In the first 30 minutes the intensity of light distribution below the tube increases gradually to the maximum value, and at the end of the following half hour, it returns to the minimum value once more. After experimental trials—which are still continuing—it was discovered that the following four basic situations could be used as a springboard for individual lighting requirements: (1) For evolving varying patterns of wall lighting, Vitalite is fitted horizontally above a suspended illuminated ceiling, with the reflector below the tube; (2) When concentrating the new lighting effect on a ceiling, Vitalite is mounted in a trough cornice, with the reflector above the tube; (3) To provide a heightening contrast, Vitalite can be focused on one wall by positioning the fitting vertically behind a pillar; (4) Multiple variations can be planned by arranging two fittings to give alternate lighting on a wall surface, or on a ceiling when the fittings can be concealed in cornice troughs.

When used singly or together, units can be placed behind colour screens or fitted with tinted tubes to contrast or blend with the ambient lighting.

Siemens Edison Swan Ltd., 38-39 Upper Thames Street, London, E.C.4. Readers' Information Service, Ref. C. Date 7/10/59.



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Architects: Trehearne & Norman,
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Location: 32-30 Strand, London, W.C.2



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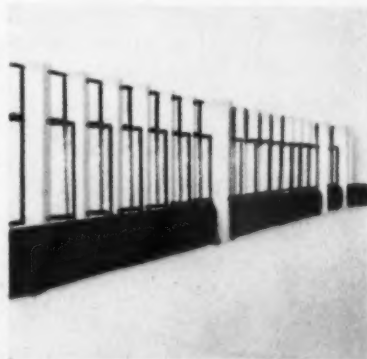
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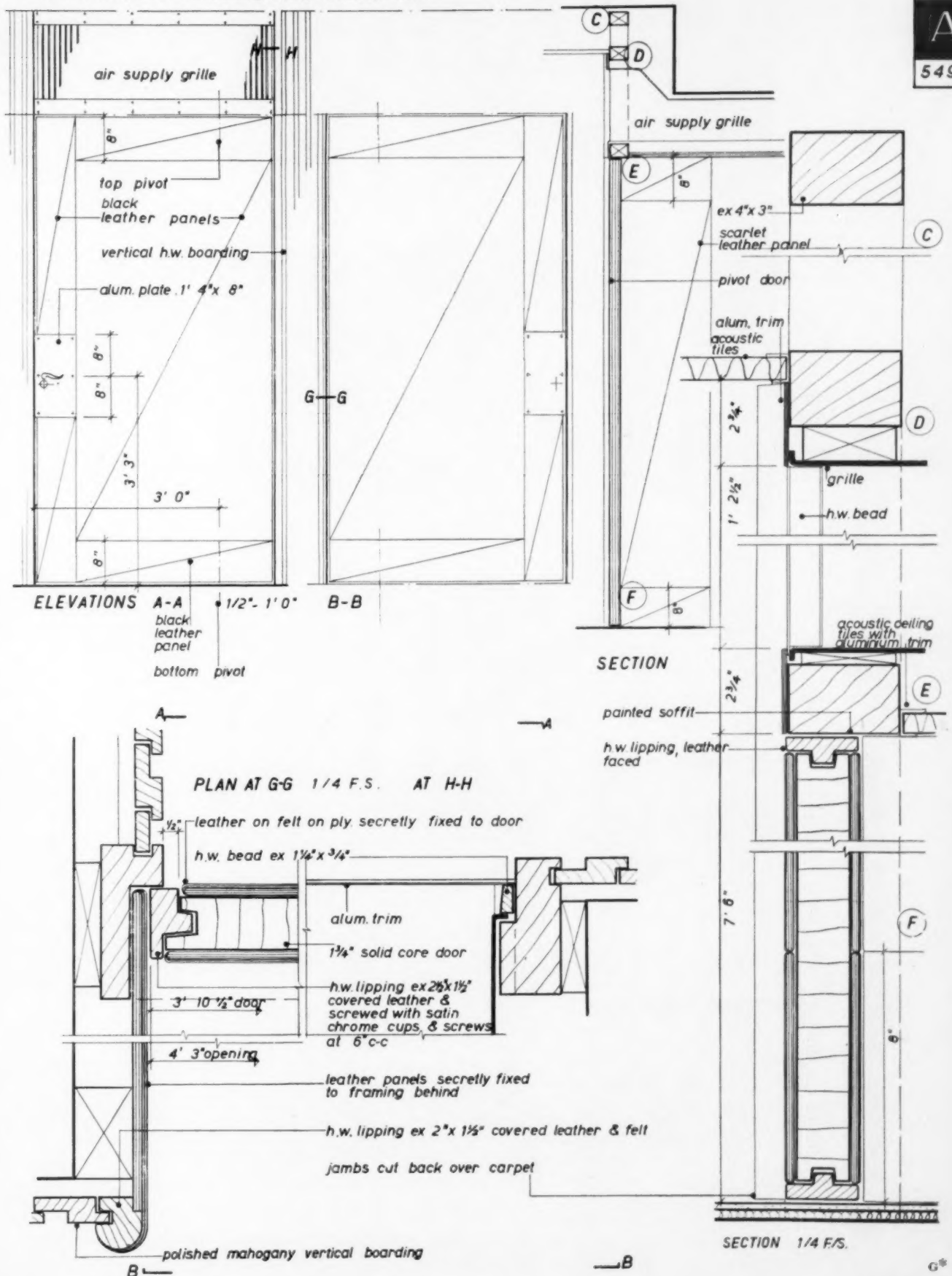
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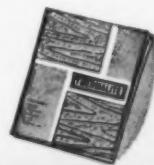
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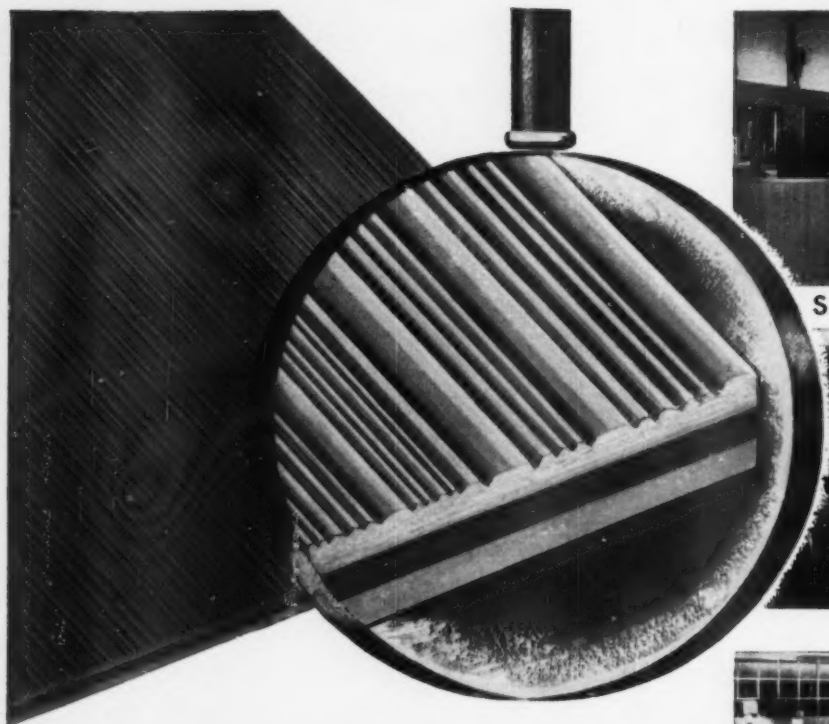
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*Photographs by courtesy of the British Jewellers' Association
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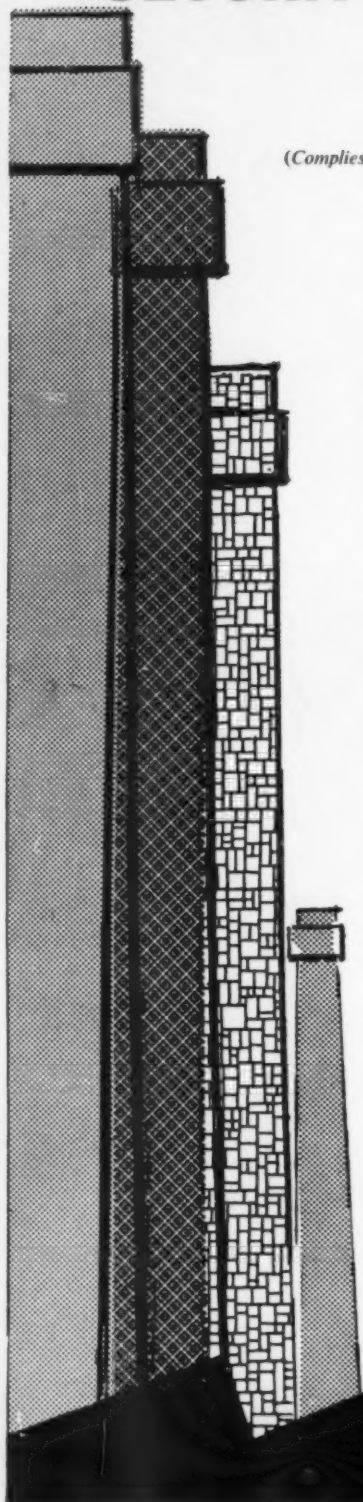
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Notes below give basic data of contracts open under locality and authority which are in a bold type. References indicate: (a) type of work (b) address for application. Where no town is stated in the

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OPEN

BUILDING

ALDERSHOT B.C. (a) Construction of a building comprising garages and storage. (b) Borough Engineer and Surveyor, Town Hall. (c) 2gn. (e) October 19.

BECKENHAM B.C. (a) Conversion of a three-storey block in Newlands Park, S.E.26, into 29 flatlets for old people and a caretaker's flat. (b) Borough Engineer, Town Hall. (c) 2gn. (e) October 16.

BEDFORDSHIRE C.C. (a) Dunstable College of Further Education. Building contractors experienced in large reinforced concrete building construction invited to submit names for consideration to tender on a fixed price basis. Heating engineer and electrical contractors also invited to submit names. (b) County Architect, Shire Hall, Bedford. (d) October 12.

BELFAST. (a) Erection of voluntary secondary intermediate boys' school (750 pupils), St. Augustine's, Ravenhill Road, for the Board of Governors, including school-meals' dining hall and kitchen and playing fields. (b) J. A. Tynan, quantity surveyor, 33 Malone Road, Belfast. (e) October 20.

BIRMINGHAM C.C. (a) Contract 631. Erection of two shops and 14 dwellings at Leach Green estate, Rubery. (b) City Architect, Civic Centre, 1. (c) 2gn. (d) Immediately. (e) October 26.

BOURNEMOUTH B.C. (a) Fixed-price tenders for relaying of certain asphalt-covered flat roofs at the Winter Gardens. (b) Borough Architect's Office, Room 106, Town Hall. (c) 1gn. (e) October 13.

BRECON B.C. (a) Conversion of existing room in Brecon Abattoir to a temperature control room. Tenders are required for refrigeration plant and the insulating work. (b) Borough Surveyor, Municipal Offices, Brecon. (e) October 26.

BRIGHTON B.C. (a) Erection of 66 flats and four shops at Albion Hill redevelopment, stage 2. (b) Borough Surveyor, Engineer and Planning Officer, 26-30 King's Road, Brighton. (c) 2gn. (e) October 27.

BROWNHILLS (STAFFS) U.C. (a) Erection of 70 dwellings at Ogley Hay. (b) Engineer and Surveyor, Coombe House, Brownhills. (c) 2gn. (e) October 14.

CASTLEBAR U.D.C. (a) Construction of extensions to Castlebar Sewerage Scheme for Castlebar Urban District Council. (b) Nicholas O'Dwyer & Son, 6 Burlington Road, Ballsbridge, Dublin. (c) 10gn. (e) October 17.

CROYDON B.C. (a) Conversion of "Orbit" classroom block to kitchen-dining room at Purley Oaks school, Byres Road. (b) Chief Education Officer, Katherine Street, Croydon. (c) £1. (e) October 27.

address it is the same as the locality given in the heading (c) deposit (d) last date of application (e) last date and time for submission of tenders. Full details of contracts marked * are given in the advertisement section.

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CROYDON B.C. (a) Erection of extensions to John Ruskin Grammar School. (b) Chief Education Officer, Katherine Street, Croydon. (c) £1. (e) October 27.

CUMBERLAND C.C. (a) Erection of a traditional building 3,500 sq ft floor space, comprising offices, two nurses' flats, treatment room, etc., at St. George's Road, Millom. (b) John H. Haughan, County Architect, 15 Portland Square, Carlisle. (c) November 16.

DEVON C.C. (a) Erection of a 14-bed extensions to "Broadlands" old people's home at Newton Abbot. (b) County Architect, 97 Heavitree Road, Exeter. (c) 3gn.

DUBLIN C.C. (a) Howth Road Improvement Scheme—Section Six—Reconstruction of approximately 2½ mile of Howth Summit Road, together with the construction of an extensive surface water sewerage system for Dublin County Council. (b) City Treasurer, Exchange Buildings, Lord Edward Street, Dublin. (c) 10gn. (e) October 16.

EAST ANGLIAN REGIONAL HOSPITAL BOARD. (a) Erection of a nine-storey reinforced concrete framed nurses' home for 85 nurses, teaching department and recreation hall, together with a two-storey home for 20 night nurses, including roads and sewerage on a site approximately ½ mile from Peterborough Memorial Hospital. The project will cost in the region of £250,000 and will form part of a £2,750,000 development scheme. (b) Guy Aldis, A.R.I.B.A., Regional Architect, East Anglian Regional Hospital Board, 33 Parkside, Cambridge. (d) October 14.

EASTBOURNE B.C. (a) Internal adaptations and provision of new library fittings at Eastbourne Training College, "Queenswood", Darley Road. (b) Borough Surveyor, 2 and 4 Saffrons Road, Eastbourne. (c) 2gn, payable to Eastbourne Corporation. (e) October 14.

EAST RIDING OF YORKSHIRE C.C. (a) Erection of additional classroom and alteration to existing school at Wawne, near Hull. (b) County Architect, County Hall, Beverley. (c) 2gn. (e) October 13.

EDINBURGH C.C. (a) Construction of a mess room in brick and concrete of 700 super ft at the City Engineer's Depot, Russell Road. (b) City Engineer, 329 High Street, Edinburgh. (e) November 2.

EGHAM U.C. (a) 20 single-bedroom flats in five blocks and 13 single-bedroom bungalows in four blocks, including roads and sewers and ancillary works in Bond Street, Englefield Green. (b) Engineer and Surveyor, Fire Station Buildings, High Street, Egham, Surrey. (c) 2gn. (e) October 17.

EIRE, DUBLIN C.C. (a) Erection of houses, Tallaght (16) for Dublin County Council. (b) 6 Parnell Square (Room 20) Dublin. (c) 5gn. (e) October 21.

ELECTRICITY BOARD FOR NORTHERN IRELAND. (a) Supply, delivery and erection at Coolkeeragh Power Station, Londonderry of Contract N.1.1433. (b) Tender documents in quadruplicate for each contract from the Board's constructing engineers, Messrs.

Kennedy & Donkin, 64 Royal Exchange, Manchester, 2. (c) 5gn for each set (cheques should be made payable to the Electricity Board for Northern Ireland. (e) November 2.

FLINT B.C. (a) Erection of 12 old people's dwellings at Cornist Estate. (b) Borough Engineer and Surveyor, Municipal Offices, Earl Street. (c) 2gn. (e) October 16.

GOSPORT B.C. (a) Development of a site at Rowner, including 65 dwellings in cross-wall housing construction, of varying sizes. 18 garages. Roads and sewers. (b) Borough Engineer, The Hall, Hasler Road, Gosport. (c) 5gn.

HAMPSHIRE C.C. (a) Erection in traditional construction of a science block with boiler room, having a floor area of 6,500 sq ft, at Winchester High School. (b) County Architect, The Castle, Winchester. (c) 2gn. (d) Immediately.

HATFIELD R.C. (a) Alterations and improvements to Holwell Manor Cottages, Essendon. (b) Engineer and Surveyor, North Place, 82 Great North Road, Hatfield. (c) 2gn. (e) October 26.

HEBBURN U.C. (a) Construction of a block of three-storey flats consisting of 19 one-bedroom flats and six three-bedroom maisonnettes. (b) Clerk to the Council, Council Offices, Argyle Street, Hebburn, Co. Durham. (c) 5gn. (e) October 27.

HERNE BAY U.C. (a) Erection of 28 flats at junction of Beaumont Street and Sea Street. (b) Architect, J. C. Clague, Lloyds Bank Chambers, High Street. (e) October 14.

HOLLAND (Lincs) C.C. (a) Erection of a magistrates' courthouse at Long Sutton, Lincs. (b) County Architect. (e) October 28.

ILFORD B.C. (a) Demolition of the slipper baths wing at High Road baths, and erection of a two-storey block, 140ft by 22ft with new slipper baths, entrance hall, refreshment room, etc. (b) Borough Engineer and Surveyor, Town Hall. (c) 3gn. (e) October 27.

ISLE OF WIGHT JOINT CREMATORIUM COMMITTEE. (a) Erection of a crematorium and superintendent's house near Whippingham Station, Isle of Wight. (b) C. A. F. Sheppard, architect, 65b Union Street, Ryde, Isle of Wight. (c) 2gn. (e) October 16.

MIDDLESBROUGH B.C. (a) One group of 34 dwellings at Saltersgill. (b) Borough Engineer. (c) 2gn. (e) October 12.

MIDDLESBROUGH B.C. (a) St. Hilda's section 3a. Erection of 59 three-storey flats and maisonnettes and six houses, with roads and sewers work, all in one contract. (b) Borough Engineer, Municipal Buildings. (c) 2gn. (e) October 12.

NEWMARKET N.C. (a) Five houses and one flat, Valley Way, Houldsworth Valley estate. Work includes the whole of site preparation, pavings, drainage and services. (b) Architect, Council Offices, Severs House, Newmarket. (c) 2gn. (e) November 4.

NORTH RIDING C.C. (a) Erection of a new wing to the Old People's Home at Ashfield, Malton. (b) County Architect, Northallerton. (c) 2gn. (e) October 28.

NORTH RIDING OF YORKSHIRE C.C. (a) Erection of Sir William Turner's School at Redcar. (b) F. Barracough, County Hall, Northallerton, or the architects, J. Leathart & Son, 49 Welbeck Street, London, W.1. (d) October 23 (postmark not later than October 22).

OLDBURY B.C. (a) Fixed price tenders for erection of one block of 120 flats in 10-storey construction, with part basement together with a separate laundry building, 35 garages and site layout at the junction of Thompson Road and Hobicus Lane, Langley. (b) T. Dunkley Hogg, A.R.I.B.A., 1 Church Street, Oldbury. (c) 2gn. (e) Closing date will be notified.

SOUTHAMPTON B.C. (a) Contract B338. 63 traditional houses at Thornhill, 2B. Contract 349, one block of four-storey "P" type flats (14 flats per block) at Cuckmere Lane, Millbrook. (b) Borough Engineer, Civic Centre. (d) October 12.

SOUTHWELL R.C. (a) Erection of 28 bungalows and communal block, off Yew Tree Road and Alder Grove, Ollerton. (b) Architect and Surveyor, 7 Westgate, Southwell, Notts. (c) 2gn. (e) October 19.

SOUTH-WEST REGIONAL HOSPITAL BOARD. (a) Reconstruction of the entertainment hall at Coney Hill Hospital, Gloucester. (b) Secretary to the Regional Board, 27 Tyndalls Park Road, Bristol 8. (d) Immediately.

ULSTER, MINISTRY OF FINANCE. (a) Construction and completion of new office building, Alexander Road, Armagh for Northern Ireland Ministry of Finance. (b) Room 103, Law Courts Buildings, Belfast. (c) £5. (e) October 26.

WALLASEY B.C. (a) Erection of a hostel for 50 persons at Twickenham Avenue. (b) Borough Architect, Town Hall. (e) October 20.

WALLASEY B.C. (a) Erection of five four-storey blocks of maisonnettes containing 42 housing units. One block of four storeys containing eight shops with 16 maisonnettes and six flats over, and 11 garages. Together with paths, drains, link units and ancillary works in the Church Street area. (b) Borough Architect, Town Hall, Wallasey. (a) Erection of a hostel for 50 persons at Twickenham Drive. (b) As above. (e) October 20.

WANDSWORTH B.C. (a) 36 flats in two three-storey blocks at Prince's Way, Southfields. (b) J. Noel Martin, Town Clerk, Municipal Buildings, giving details of experience, plant and technical and supervisory staff available, together with the names of two technical and two financial referees. (d) October 17.

WELWYN R.C. (a) Alterations and extensions to 14 houses in West Terrace, Welwyn, and Station Road, Digswell. (b) H. Stutchbury, Clerk of the Council, Welwyn, Herts. (c) 2gn. (e) October 19.

WEST SUSSEX RIVER BOARD. (a) Erection of office, flat and garage buildings, with site works and drainage, for the Board's new eastern area depot at Beeding. (b) Engineer to the Board, County Hall, Chichester. (c) 5gn. (e) October 21.

WORCESTER C.C. (a) Erection of shops, maisonnettes and flats, Warndon estate. (b) City Engineer and Surveyor, 22 Bridge Street. (c) 2gn, cheques payable to "Worcester Corporation". (c) 3gn. (e) October 21.

YORK C.C. (a) Erection of 36 dwellings on site 5 of the Greaves redevelopment area. (b) City Architect, 8 St. Leonard's Place, York. (c) £3. (e) October 24.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

AYLESBURY B.C. (1) Factory building. (2) Griffin Lane. (3) Morris Builders (Oxford) Ltd., Weedon Road, Aylesbury. (4) £28,821.

BEDFORD. (1) Large factory for Texas Instruments Ltd. (2) Hoo Farm. (3) Tarslag & Co. Ltd., Ettingshall, Wolverhampton.

BERMONDSEY B.C. (1) Erection of 57 dwellings. (2) Strathairn Street and St. James's Road. (3) W. J. Simms, Sons & Cooke Ltd., Sherwood House, Beddington Lane, Croydon. (4) £124,069.

BRADFORD C.C. (1) Erection of 201 dwellings. (2) Lower Manchester Road redevelopment area. (3) Geo. Wimpey & Co. Ltd., The Grove, Hammersmith, W.6. (1) 118 dwellings. (2) Hillside estate. (3) Geo. Wimpey & Co. Ltd.

BRIDPORT B.C. (1) 36 one-bedroom old people's bungalows. (2) Fullbrooks. (3) Selleck Nicholls & Co. Ltd., St. Austell, Cornwall. (4) £45,111.

CENTRAL ELECTRICITY GENERATING BOARD, SOUTHERN PROJECT GROUP. (1) Erection of superstructure of power station. (2) Belvedere, Erith, Kent. (3) M. J. Gleeson (Contractors)

Ltd., London Road, North Cheam, Surrey. (4) About £400,000.

CRAWLEY DEVELOPMENT CORPORATION. (1) Six shops and maisonnettes. (2) Gossop's Green. (3) Peak Construction Co. Ltd., Knight Road, Strood, Kent.

EDINBURGH C.C. (1) 191 houses. (2) Gracemouth development. (3) W. Arnott McLeod & Co. Ltd., Russell Road, Edinburgh, 11.

ELLESMERE PORT B.C. (1) 40 houses, eight flats, 27 garages. (2) Orchard Farm estate. (3) Thos. Warrington & Sons Ltd., Station Road, Ellesmere Port, Cheshire. (4) £71,699.

HARLOW NEW TOWN. (1) Building the new station for British Railways. (3) W. & C. French Ltd., Buckhurst Hill, Essex.

ILFORD, ESSEX. (1) Erection of Canon Palmer R.C. school. (3) A. E. Symes Ltd., High Street, London, E.15. (4) £120,000.

ISLE OF WIGHT C.C. (1) Alterations. (2) Priory Secondary Girls' School. (3) Westridge Construction Co. Ltd., High Street, Ryde, I. of W. (4) £59,999.

LLANELLY, S. WALES. (1) Extensions to works for the Steel Company of Wales. (2) Trostre. (3) R. M. Douglas (Contractors) Ltd., of Erdington, Birmingham. (4) About £1 million.

LONDON C.C. (1) Erection of Tollington Park school. (2) Islington. (3) Demolition & Construction Co. Ltd., St. James's Square, London, S.W.1. (4) £276,671.

LONDON C.C. (1) Construction of block 8 of dwellings. (2) Norfolk estate. (3) Gray, Conoley & Co. Ltd., 29 Stephenson Street, London, E.16. (4) £34,114.

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WESTMINSTER. (1) Erection of the new "Abbey" telephone exchange. (2) Victoria Street, Broadway, S.W.1. (3) Gee, Walker & Slater Ltd., 100 Park Lane, London, W.1 (probable contractors). (4) Cost: £230,000.

WOOD GREEN B.C. (1) 54 dwellings and a shop. (2) Winkfield Road and Acacia Road. (3) Stox (Contractors) Ltd., Boreham Road, London, N.22. (4) £131,196.

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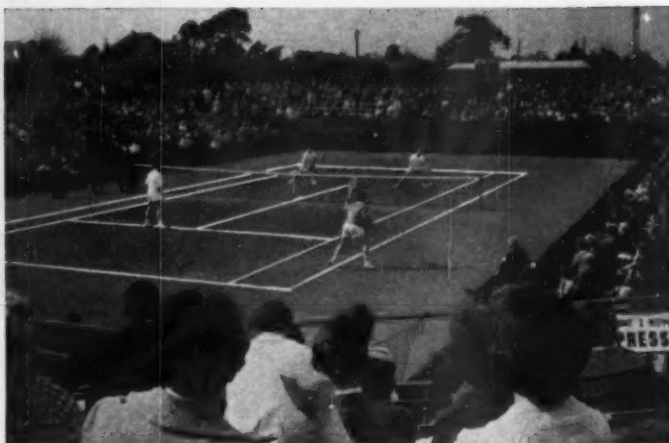
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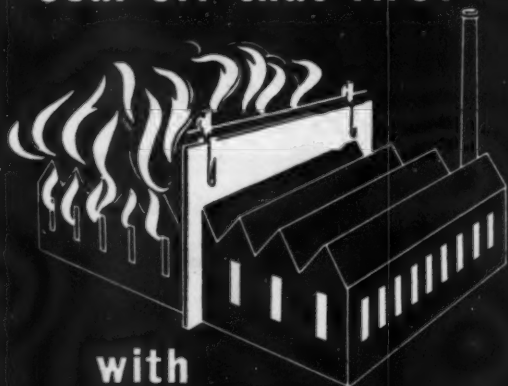
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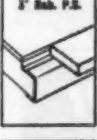
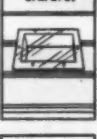

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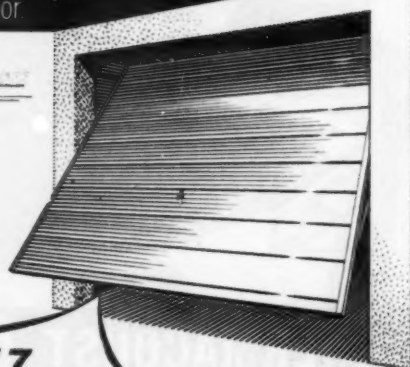
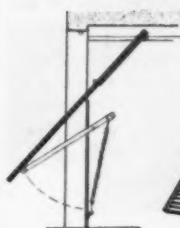
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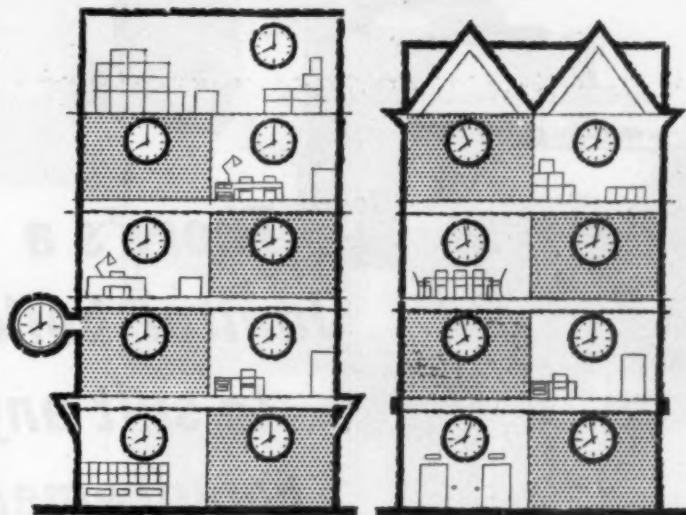
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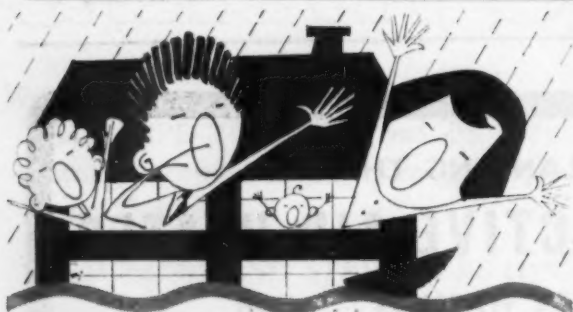
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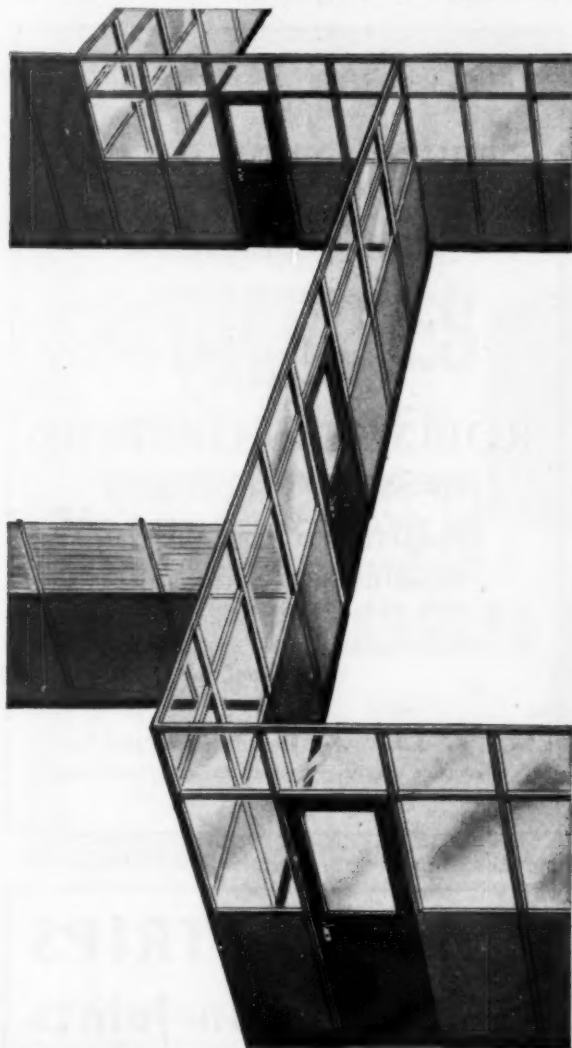


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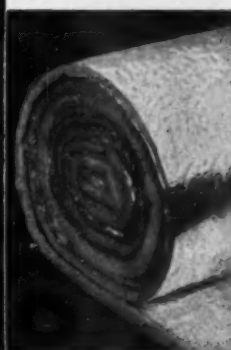
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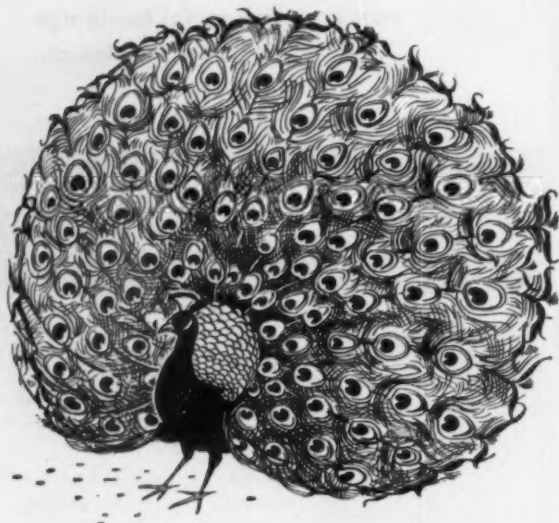
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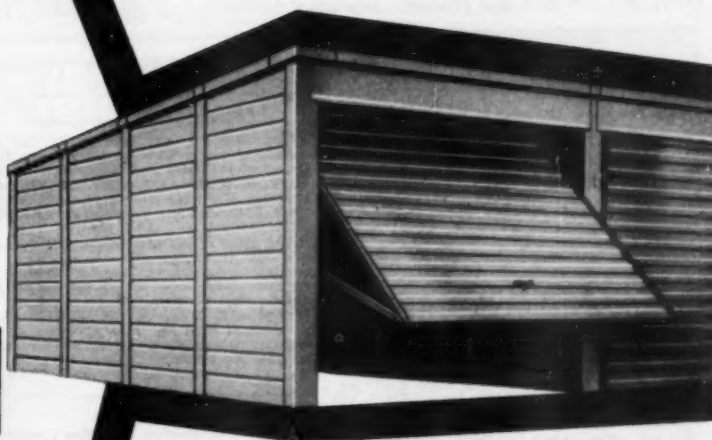
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APPLICATIONS are invited from experienced candidates preferably holding the Intermediate Certificate of the R.I.B.A. Starting salary £525/£605 per annum, according to age and experience. Apply to Personnel Officer, Royal Infirmary, Lauriston Place, Edinburgh, 3. [5584]

Borough of Harrow TECHNICAL ASSISTANT—BUILDING BY-LAWS

APPLICATIONS are invited from qualified Building Inspectors for the above appointment in the Department of the Borough Engineer and Surveyor, within APT, Grade II (£765/£880 per annum), plus London weighting.

The duties will be mainly in an office advising applicants regarding the Council's Building By-laws and other matters normally dealt with in the Building Inspectors' Section.

The appointment will be subject to the Local Government Superannuation Acts and the National Joint Council's Scheme of Conditions of Service. Housing accommodation is not offered. Contributions towards removal expenses will be considered.

Application forms, obtainable from me, must be returned not later than October 17, 1959.

D. H. PRITCHARD,

Town Clerk.

Town Clerk's Office,
Harrow Weald Lodge,
92 Uxbridge Road,
Harrow, Middx. [5647]

Borough of Harrow PLANNING ASSISTANT

APPLICATIONS are invited for the appointment of an Assistant in the Department of the Borough Engineer and Surveyor at a salary within APT Grade I (£610/£765 per annum), plus London weighting.

Applicants should be competent draughtsmen, some experience in a planning office will be an advantage, but is not essential.

The appointment will be subject to the Local Government Superannuation Acts and the National Joint Council's Scheme of Conditions of Service. Housing accommodation is not offered but contributions towards removal expenses will be considered.

Application forms, obtainable from me, must be returned not later than October 17, 1959.

D. H. PRITCHARD,

Town Clerk.

Town Clerk's Office,
Harrow Weald Lodge,
92 Uxbridge Road,
Harrow,
Middlesex. [5644]

London County Council ARCHITECTS (up to £1,135)

REQUIRED for Housing, Schools and General Divisions of Architect's Department. Full and varied programme of new work including schools, multi-storey flats and town development. Starting salaries according to qualifications and experience.

Particulars and application form from Hubert Bennett, F.R.I.B.A., Architect to County, EK/77/59, County Hall, S.E.1. (1879) [0143]

Architects' Department of Boots Pure Drug Co. Ltd. Nottingham

(a) ASSISTANT ARCHITECTS (b) ARCHITECTURAL ASSISTANTS

THE work is varied and interesting ranging from large new shops to the extension and alteration of existing ones and industrial buildings of many kinds. The posts, for which qualifications are of less importance than ability, are permanent and pensionable. A five-day week is in operation.

Applications should be addressed to the Personnel Manager, Boots Pure Drug Co. Ltd., Station Street, Nottingham, and should give full details of training, qualifications, experience, salary required, and present appointment. [5660]

APPOINTMENTS (cont)

West Sussex County Council

APPLICATIONS are invited for the undermentioned appointment in the County Planning Department, County Hall, Chichester:

TECHNICAL ASSISTANT (Architectural)

Salary: for qualified persons—Special Scale (£785 x £40—£1,070 p.a.) otherwise APT Grade II (£765/£880 p.a.).

The duties of the post will include the preparation of redevelopment schemes and designs relating to development control. Preference will be given to applicants able to prepare perspectives and freehand sketches.

Application forms and further particulars may be obtained from Mr. John C. Jefferson, County Planning Officer, County Hall, Chichester, to be returned by Saturday, October 31, 1959. [5656]

City of Birmingham Education Committee College of Art and Crafts

Principal: Meredith W. Hawes.

A.R.C.A., A.R.W.S., N.R.D.

Director of the School of Architecture:

Douglas Jones, Dip.Arch.(L'pool), F.R.I.B.A.

APPLICATIONS are invited for the appointment from January 1, 1960, of a full-time fifth year Studio Master in the School of Architecture, who will also be responsible for teaching structures to fourth and fifth year students.

Salary in accordance with the Burnham (Further Education) Scale (Men) Senior Lecturer: £1,550 x £50—£1,750 p.a.

Forms of application may be obtained from the Principal, College of Art and Crafts, Margaret Street, Birmingham, 3 (s.a.c.).

Closing date: October 23, 1959.

E. L. RUSSELL,

Chief Education Officer.

September 30, 1959. [5657]

Beeston and Stapleford Urban District Council CHIEF ASSISTANT ARCHITECT

APPLICATIONS are invited for the above appointment at a salary in accordance with APT Grade IV (£1,065/£1,220).

Candidates should be Associates of the R.I.B.A. Housing accommodation will be provided, if necessary.

The post advertised offers interesting work in connection with the Council's housing programme, swimming pool and other building work.

Applications, stating age, qualifications, with full details of training and experience, accompanied by the names of two referees, must be received by the Housing Architect, Town Hall, Beeston, Nottingham, not later than October 19, 1959.

H. D. JEFFERIES,

Clerk.

[5662]

University of Hong Kong LECTURESHIP IN ARCHITECTURE

APPLICATIONS are invited for the above post. Applicants should preferably have a degree from a university or school recognized by the Royal Institute of British Architects. They should be A.R.I.B.A. and have good practical experience. Some previous teaching experience is an advantage.

The successful applicant will be required to perform the duties of a Studio Master.

Annual salary (superannuable) is £1,575 x £50—£2,175 for a man or £1,200 x £40—£1,680 for a woman. There is also an expatriation allowance of £225 a year if applicable. The equivalent of income tax in the Colony is comparatively low.

First class sea passages are provided for expatriate staff and their families on first appointment and leaves.

Further particulars and information as to the method of application may be obtained from the Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1.

Applications close, in Hong Kong and London, on November 20, 1959. [5651]

APPOINTMENTS (cont)

Isle of Man Local Government Board

APPOINTMENT OF ASSISTANT ARCHITECT

APPLICATIONS are invited for the above appointment in the Architect and Planning Officer's Department in the salary range of £850/£1,070, point of entry depending upon experience. APT Grades are not applicable to the Isle of Man.

Part removal expenses to the value of 60 per cent for furniture and personal effects will be borne by the Board to the Island. The post carries a non-contributory pension.

Candidates should be Associates of the Royal Institute of British Architects with suitable office experience.

Applications stating age, experience, details of present and former employment and names and addresses of two referees should be forwarded to the undersigned so as to reach him not later than Friday, October 30, 1959.

W. H. KARRAN,

Secretary to the Isle of Man

Local Government Board,

6 Mount Havelock,

Douglas, Isle of Man.

[5654]

Borough of Jarrow

APPLICATIONS are invited for the following appointments:

(a) Chief Assistant Architect.

Salary: Grade APT IV. Applicants to be A.R.I.B.A. or equivalent.

(b) Assistant Architect.

Salary: Grade APT II.

Details and application forms obtainable from the Borough Engineer, Town Hall, Jarrow, Co. Durham. Completed applications must reach the undersigned not later than October 24, 1959.

M. L. ROTHFIELD,

Town Clerk.

September 30, 1959.

[5659]

Northern Polytechnic, Holloway, London, N.7

THE Governing Body invites immediate applications for appointment as Head of the Department of Architecture, Surveying, Building and Interior Design. The salary will be in accordance with the Burnham Scale for Heads of Departments—Grade V, £2,100 x £50—£2,250, plus London allowance. Duties to commence in April, 1960.

Apply for form of application and further particulars to the Clerk. [5652]

TENDERS

Bromsgrove Urban District Council Sidemoor Estate No. 1

Erection of 48 Houses and Bungalows and 30 Garages

THE Council invite tenders for the erection of No. 48 Houses and Bungalows and 30 Garages on Sidemoor Estate No. 1 together with drains, paths, retaining walls and other ancillary works on a Fixed Price basis.

Bills of Quantities and Form of Tender will be sent to builders and contractors making a written application to the Engineer and Surveyor, Council House, Bromsgrove, not later than Saturday, October 24, 1959. The application should be accompanied by a deposit of £3 3s which sum will be returned upon the receipt of a bona fide tender, together with all the documents.

Tenders in plain sealed envelopes endorsed "Sidemoor Estate No. 1" are to be delivered to the undersigned not later than Wednesday, November 25, 1959.

Plans may be inspected at the offices of the Engineer and Surveyor, Council House, Bromsgrove, or the Quantity Surveyors, Messrs. Crump & Aplin, National Provincial Bank Chambers, High Street, Bromsgrove, during the usual office hours.

The Council do not bind themselves to accept the lowest or any tender and any acceptance is subject to the approval of the Ministry of Housing and Local Government.

F. A. JESSOP,

Clerk to the Council.

Council House,

Bromsgrove,

September 29, 1959.

[5663]

MISCELLANEOUS SECTION

RATE: 1/9d per line, minimum 3/6d, average line 6 words. Each para charged separately. Advertisements for Situations Wanted are accepted at the specially reduced rate of 6d. per line, minimum 1/6d.

BOX NOS. add 2 words plus 1/- for registration and forwarding replies which should be addressed c/o "The Architect & Building News," Dorset House, Stamford Street, London, S.E.1.

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PRESS DAY, Monday. Remittances payable to Messrs. Iliffe & Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

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ARCHITECTURAL ASSISTANT, London, Final standard, Industrial and commercial. Progressive and interesting. Salary according to experience and ability. Box 3667. [0079]

ARCHITECTURAL ASSISTANT, Intermediate standard, Busy London office. Good prospects. Box 3668. [0080]

ARCHITECTURAL ASSISTANT (Final standard) required in busy office with interesting and varied general practice. Five-day week. Accommodation available. Reply giving full particulars, age and salary required, to Godman & Kay, F.R.I.B.A., 13 North Parade, Horsham, Sussex. [5646]

ARCHITECTURAL ASSISTANT required, age 25 to 45. Full qualifications not essential providing experienced and capable of working on own initiative to assist on speculative housing and flat schemes—excellent prospects, superannuation scheme available. Apply Architectural Dept., Sir Lindsay Parkinson & Co. Ltd., 6 Lambeth Road, S.E.1. [5611]

ARCHITECTS and ASSISTANTS required. Minimum Inter standard. Very large programme commercial industrial and residential work. Good salaries and bonus to right men. Five-day week. Box 3880. [0202]

ARCHITECTURAL ASSISTANT at Final standard required by Buckinghamshire office. Interesting and varied work with scope for initiative and responsibility. State age, experience and salary required to Box 5143. [0136]

ARCHITECTURAL ASSISTANT, inter R.I.B.A. standard required. Good draughtsmanship essential. Apply in writing, giving details of training, experience and salary required to Vigers & Co., Chartered Surveyors, Architects, 4 Frederick's Place, Old Jewry, E.C.2. [5603]

ARCHITECTS' OFFICE with modern approach to design requires Assistants of Intermediate and Final standard, London or Reading, for interesting and varied work. Salary £500 to £1,000 per annum according to experience. Apply Eric G. V. Hives & Sons, 46 Queen's Road, Reading. Telephone 55484/5. [5630]

ASSISTANT ARCHITECTS, fully qualified, required immediately. Contemporary outlook and able to combine accuracy with commonsense. Pension scheme available. Full details of training, experience, age and salary required to W. H. Watkins, Gray and Partners, 1 Clare Street, Bristol, 1. [5653]

ASSISTANT—Intermediate to Final—required for country practice, salary according to experience. Write, with experience, age and salary, to Forsyth Lawson, Cunningham & Partners, 30 Horse Fair, Banbury. [5639]

BRITISH RAILWAYS London Midland Region ASSISTANT ARCHITECTS

required in the Regional Architect's office to work on projects connected with the Railway Modernization Plan. Must be Associates of the R.I.B.A. or have Intermediate and several years' experience. Applicants must have a keen interest in contemporary design and a knowledge of modern structural technique.

Commencing salary £833 to £903 per annum. Residential and other travel concessions available.

Apply stating age and qualifications to: Ref. 86, W. R. Headley, A.R.I.B.A., A.A.Dipl., Regional Architect, Chief Civil Engineer's Office, British Railways (London Midland Region), 5a Easton Grove, London, N.W.1.

ARCHITECTURAL APPOINTMENTS VACANT (cont)

ASSISTANTS of Intermediate and Final standard required for large and small educational jobs, some overseas; at first in London and later in Guildford office. Write to Frank Rutter, F.R.I.B.A., 2 Finchley Road, London, N.W.8. [5636]

A KEEN ASSISTANT of Intermediate to Final standard, who would like to escape from London, required by C. F. Boniface, A.R.I.B.A., Bank Chambers, High Street, Egham, Surrey. [5615]

BOOTH, LEDEBOER & PINCKHEARD, 17-20 Mason's Yard, Duke Street, St. James's, S.W.1, require Assistants in salary range £750/£1,000 p.a. Tel. TRA 1866. [0901]

COVELL & MATTHEWS require capable and enthusiastic Senior and Junior Assistants to work on large central area redevelopment projects. Salary according to experience. Five-day week. Ring REGent 2291. [5552]

ELIE MAYORCAS requires Senior Assistants with minimum of three years' office experience in this country. Write, giving particulars of architectural education and experience, and salary required, to: 13 David Mews, Baker Street, W.1. [5665]

JELlicoe, BALLANTYNE & COLERIDGE require a Senior Architectural Assistant. Salary according to experience. Apply in writing to the Secretary, 12 Gower Street, London, W.C.1. [5658]

RAMSEY, MURRAY, WHITE & WARD require a qualified Assistant, Age 25-30. Salary according to experience. Apply in writing to the Secretary, 32 Wigmore Street, London, W.1. [5613]

ARCHITECTURAL APPOINTMENTS VACANT (cont)

SEVERAL Senior and Intermediate Architectural Assistants are required for commercial projects including hotel, theatre and extensive development schemes of offices and light industry, etc., in London architect's office. Holiday arrangements will be recognized. Five-day week. Salary according to experience. Telephone City 8811. [0205]

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Advertisements under this heading only are accepted at the specially reduced rate of 6d per line, minimum 1/6.

BUILDING SURVEYOR, Associate, 33. Initiative keen, energetic, contemporary outlook, wide experience; accustomed to control staff and projects up to £200,000 p.a. Desires partnership with Architect, Surveyor, or Estate Agent or would consider permanent appointment offering scope. Prefer country. Capital and car available. Box 5298. [5666]

CLERK OF WORKS (ex general foreman) (50) offers services on part- or whole-time basis. Travel anywhere (own car). References supplied. C.O.W. 2 Hemper Lane, Sheffield, 8. Phone: Sheffield 71371. [5661]

SERVICES OFFERED

EXPERIENCED TYPIST offers good typewriting service. Specifications, reports, correspondence. Kahler, 3 Sunray Avenue, Tolworth, Surbiton. (Derwent 6218 evenings). [5638]

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Applications are invited for the following appointments in a progressive and expanding County Town, the population of which exceeds 60,000 and is increasing at about 1,000 per annum. The present annual expenditure on new capital works is at the rate of £700,000 per annum.

- (a) **PRINCIPAL PLANNING ASSISTANT** APT V (£1,220/£1,375)
- (b) **TWO SENIOR ASSISTANT ARCHITECTS** APT IV (£1,065/£1,220)
- (c) **TWO SENIOR ASSISTANT ARCHITECTS** APT IV (£1,065/£1,220)
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- (f) **SURVEYOR/DRAUGHTSMAN** APT I or II (£610/£765) or (£765/£880)
- (g) **ARCHITECTURAL DRAUGHTSMAN** General Division or APT I (£210/£395) or (£610/£765)

The appointments in APT IV and APT V will include a car allowance in the order of £100 and the offer of housing accommodation. The APT III or Special Grade appointment will also include the offer of housing. In each case the commencing salary and grade will depend on qualifications and experience while a contribution may be made towards removal expenses.

Further particulars and application forms, with an indication of the appropriate post, should be addressed to

F. W. DAWKES, Borough Engineer and Surveyor,

Newnham House, Horne Lane, Bedford,

to whom completed forms should be returned not later than noon, Wednesday, 14th October, 1959.

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Issue dated 7 October 1959

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raising a point...

or rather, points, for this twelve storey block of 48 flats posed no problem — the architect specified the Henley Rising Main System for the internal electricity supply and obtained all the service points he wanted. The building is Hugh's Tower at Harlow New Town: modern, functional — just like the Henley rising main system, in fact!



The Henley rising main system is specially designed for modern multi-storey buildings. It can be accommodated in a $13\frac{1}{2}'' \times 4\frac{1}{2}''$ chase. The cost is attractive, the equipment robust, adaptable, and easily installed—a real Henley job. May we send you our Catalogue 46? It will give you all the details, with explanatory diagrams.

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